

ANNUAL DEPARTMENTAL REPORTS

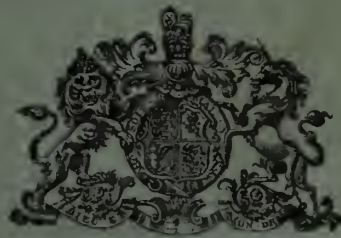
OF THE

STRAITS SETTLEMENTS

FOR THE YEAR

1921

(As laid before the Legislative Council).



PUBLISHED BY AUTHORITY.

Singapore:

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ANNUAL REPORT ON THE ADMINISTRATION OF THE INCOME TAX ORDINANCE.

INCOME TAX OFFICE,
SINGAPORE, 25th October, 1921.

SIR,—I have the honour to report upon the working of the Income Tax Office under the Income Tax Ordinance, 1920, for the financial year from 1st April, 1920, to the 31st March, 1921.

2. The accounts showing the results attained under this Ordinance have been made up to the end of the financial year and I attach statements marked "A" & "B" which give these results in detail.

3. The year under review was the first year of Income Tax proper in the Colony as distinguished from the taxes collected during the previous 3 years under the War Tax Ordinances. Perhaps the chief change made in the Income Tax Ordinance, 1920, from the War Tax Ordinances was the raising of the taxable minimum limit from an income of \$3,000 to \$5,000 for the year. In spite of this decrease in the minimum limit the total collections amounted to \$5,945,222.15 as against \$4,784,373.30 collected in the last year of the War Tax Ordinances. The increase may be attributed partly to the better methods of collections adopted, and also to the good prices ruling in the tin and rubber market, and to the general boom in trade during the year 1919, which formed the basis of taxation for Income Tax 1920. As the Income Tax Department grows in experience fresh sources of revenue are discovered and greater care is exercised in the examination of accounts submitted by the taxpayers.

4. Of the total amount collected, \$49,964.22 has been repaid in refunds. A considerable amount of these refunds are due to repayments of tax on income which had also paid income tax in the United Kingdom or in other British Possessions. Owing to the amendment made in Section 8 (b) of the Income Tax Ordinance, 1920, by the Income Tax Ordinance, 1921, such repayments will, in future, be made in the case only of income not arising in the Colony, and as a result the amount of refunds will be very largely decreased in future years.

5. The total cost of the Department for the year was \$67,660.66, say 1.13 per cent of the gross collections. This sum was made up of salaries and personal allowances of the Staff \$65,509.59, and Miscellaneous Expenditure \$2,151.07. For a portion of the year the Departmental Expenditure was met directly from the income tax collections, but during the latter part of the year the Income Tax Department was placed upon the same footing as other Government Departments and the expenses were paid out of the ordinary Government Expenditure Votes of the year.

6. Arrears of tax uncollected on the 31st March, 1921, amounted to \$361,948.96 but of this amount \$75,870.77 only remained unpaid on the 25th October, 1921, and it is hoped that the greater part of these arrears will shortly be collected. In the latter part of the financial year, owing to the general depression in trade and to the unfortunate fall in tin and rubber prices, some difficulty was experienced in recovering taxes assessed, the depression and fall in prices setting in at the time when the taxes were due. In many cases taxes could not be collected,

not on account of any unwillingness on the part of the taxpayers but owing to absolute inability. I think I may say that whenever possible the public have responded very well.

The net collections for the year under review work out as follows:—

| Total Collections. | Expenses Borne by the Department. | Expenses Borne by the Government. | Refunds. | Net Collections. |
|--------------------|-----------------------------------|-----------------------------------|-----------|------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 5,945,222 15 | 30,245 51 | 37,415 15 | 49,964 22 | 5,827,597 27 |

7. The following comparative table of assessments should be of interest:—

| Description of Tax-payer. | 1917 War Tax Ordinance. | 1918 War Tax Ordinance. | 1919 War Tax Ordinance. | 1920 Income Tax Ordinance. |
|-------------------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| European, American and Eurasian ... | 804,007 14 | 863,781 36 | 1,002,021 80 | 1,269,335 45 |
| Chinese ... | 1,214,099 11 | 1,417,208 28 | 1,434,350 88 | 2,186,487 29 |
| Malay and Arab ... | 106,485 90 | 97,751 15 | 91,965 87 | 113,180 24 |
| Jew ... | 33,239 29 | 93,280 45 | 96,096 84 | 113,024 75 |
| Indian ... | 148,796 76 | 208,525 29 | 231,941 86 | 307,859 16 |
| Japanese ... | 6,294 83 | 14,236 45 | 15,922 02 | 18,444 71 |
| Others ... | 21,441 56 | 45,978 00 | 30,064 39 | 73,103 78 |
| | \$2,334,364 59 | \$2,740,760 98 | \$2,902,363 66 | \$4,081,435 38 |
| Add Registered Companies ... | \$1,197,374 29 | \$1,419,683 93 | \$1,826,083 60 | \$2,228,261 85 |
| | \$3,531,738 88 | \$4,160,444 91 | \$4,728,447 26 | \$6,309,697 23 |

8. The following figures of total assessments provide a comparison of the results attained in the 3 Settlements:—

| Settlement. | 1917 War Tax Ordinance. | 1918 War Tax Ordinance. | 1919 War Tax Ordinance. | 1920 Income Tax Ordinance. |
|---------------|-------------------------|-------------------------|-------------------------|----------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Singapore ... | 2,650,698 63 | 3,209,662 26 | 3,825,497 17 | 5,082,722 69 |
| Penang ... | 553,881 78 | 643,379 12 | 688,200 01 | 891,674 63 |
| Malacca ... | 327,158 47 | 307,403 53 | 214,750 08 | 335,299 91 |
| Total ... | \$3,531,738 88 | \$4,160,444 91 | \$4,728,447 26 | \$6,309,697 23 |

I have, however, to add that the amounts shown for total assessments made in Penang and Malacca do not give a correct idea of the tax actually paid on Income arising in these two Settlements owing to the fact that in the cases of many of the largest taxpayers Income Tax for their Penang and Malacca branch offices is included in that paid by their Head Offices in Singapore. This remark is especially pertinent in the case of the Settlement of Penang.

9. Reverting to the statement A attached to this report I might point out that the figures under the heading "Nil" show those persons, associations and companies whose names were on the Registers of this Department, but who or which for various reasons proved to be exempt from taxation for the period under review. The figures, therefore, include persons who were found to have left the Colony, and associations or companies who had ceased business, or had suffered losses in their trading. They also include persons whose income derived from associations and companies had been taxed separately in the profits shown by such associations and companies.

10. There were no appeals against the Collector's assessment in Malacca, and only one in Penang which resulted in the Commissioners upholding the assessment.

There were 2 appeals in Singapore in which the Collector's assessments were upheld by the Commissioners in both cases.

One appeal—that of the Kim Seng Land Co., Ltd.—was, however, taken to the Supreme Court by the Kim Seng Land Co. and resulted in the Commissioners' decision being upheld by Mr. JUSTICE SPROULE. The case was then taken before the Appeal Court of 3 Judges by the Company and resulted in a reversal of the previous decisions which had upheld the Collector's assessment.

11. *Staff*.—Mr. E. L. TALMA was in charge of the Department as Collector-General from the beginning of the financial year until the 16th May, 1920, when he was succeeded by Mr. F. A. S. MCCLELLAND. Mr. W. BARTLEY succeeded Mr. MCCLELLAND on the 15th September, 1920, and remained in charge until the close of the financial year.

Mr. T. S. B. RHIND held one of the two posts of Collector in Singapore throughout the year, and Mr. ELEY held the other post from the 14th May, 1920.

Penang and Malacca Divisions were in charge of Messrs. H. T. DOWLE and D. W. EVANS respectively throughout the year.

The Department suffered a severe loss by the death in March, 1921, of Mr. CHAN SIEW KHIOW, Clerk-in-Charge of the Chinese Branch, Singapore. He had obtained 2 months leave and was drowned, while sailing for China, in the wreck of the s.s. *Hong Moh*.

I have, etc.,

HERBERT C. SELLS,
Collector-General of Income Tax.

The Hon'ble
THE COLONIAL SECRETARY,
SINGAPORE. [No. 10580/21.]

1921.

DM

| TION. | | | REMARKS. |
|------------|------------|--------------|---|
| SINGAPORE. | MALACCA. | COLONY. | |
| \$ c. | \$ c. | \$ c. | |
| 5,000 00 | 249,000 00 | 5,834,000 00 | (a) Tax collected in one Settlement. Assessment made in another. |
| 0,362 24 | 6,969 53 | 30,245 51 | (b) Refunds to claimants in the United Kingdom are all made through Singapore. |
| ... | ... | 180 00 | |
| 2,276 70 | 1,119 11 | 49,964 22 | |
| 9,998 80 | 371 58 | 31,047 42 | |
| ... | ... | 440 08 | |
| ... | 984 55 | 984 55 | |
| ... | 790 20 | 1,440 22 | |

| |
|------------------|
| 5 % |
| COME. |
| \$ |
| 2,514,827 |
| 483,262 |
| 132,107 |
| 71,075 |
| 100,901 |
| 70,127 |
| 10,052 |
| 3,382,351 |
| 17,058 |
| 909,783 |
| 21,795 |
| 8,418 |
| 130,403 |
| 30,471 |
| 20,642 |
| 1,138,570 |
| 98,662 |
| 4,619,583 |
| 905,908 |
| 182,733 |
| 12,964 |
| 9,472 |
| 61,713 |
| ... |
| ... |
| 1,172,790 |
| 399,129 |
| 10,467 |
| 43,552 |
| ... |
| ... |
| 453,148 |
| 29,415 |
| 1,655,353 |
| 352,194 |
| 156,944 |
| 35,186 |
| ... |
| 1,916 |
| ... |
| ... |
| 546,240 |
| 8,441 |
| 84,523 |
| ... |
| ... |
| ... |
| ... |

| INDIVIDUALS: | | ASSOCIATIONS: | | REGISTERED COMPANIES | | GRAND TOTAL | |
|---------------------------------|-------|---------------------------------|-----|----------------------|-----|-------------|-------|
| European, American and Eurasian | 604 | European, American and Eurasian | 46 | REGISTERED COMPANIES | 228 | GRAND TOTAL | 2,572 |
| Chinese | 540 | Chinese | 744 | | | | |
| Malay and Arab, etc. | 69 | Malay and Arab, etc. | 13 | | | | |
| Jew | 15 | Jew | 1 | | | | |
| Indian | 104 | Indian | 162 | | | | |
| Japanese | 17 | Japanese | 21 | | | | |
| Others | 3 | Others | 5 | | | | |
| TOTAL | 1,352 | TOTAL | 992 | REGISTERED COMPANIES | 2 | GRAND TOTAL | 1,060 |

COLONY.

A

RECONCILIATION STATEMENT AS ON 31st MARCH, 1921.

| ASSESSMENT. | | | | | COLLECTION. | | | | | APPROPRIATION. | | | | | REMARKS. |
|---|---------------------|-------------------|-------------------|---------------------|--|---------------------|-------------------|-------------------|---------------------|--|---------------------|-------------------|-------------------|---------------------|--|
| | SINGAPORE. | PENANG. | MALACCA. | COLONY. | | SINGAPORE. | PENANG. | MALACCA. | COLONY. | | SINGAPORE. | PENANG. | MALACCA. | COLONY. | |
| | c. | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. | \$ c. | |
| Total Assessments 1920 as per statement reverse ... | 5,082,722 69 | 891,674 63 | 335,299 91 | 6,309,697 23 | Direct Collections ... | 4,266,843 14 | 760,158 41 | 53,432 57 | 5,080,434 12 | Payments to Treasury ... | 4,710,000 00 | 875,000 00 | 249,000 00 | 5,834,000 00 | (a) Tax collected in one Settlement. Assessment made in another. |
| Supplementary assessments not included in above ... | 1,056 42 | ... | ... | 1,056 42 | Indirect Collections ... | 526,530 45 | 131,768 73 | 203,926 55 | 862,225 73 | Departmental Expenditure | 12,913 74 | 10,362 24 | 6,969 53 | 30,245 51 | (b) Refunds to claimants in the United Kingdom are all made through Singapore. |
| Repayment of advance ... | ... | ... | 35 00 | 35 00 | Repayment of advance ... | ... | ... | 35 00 | 35 00 | 1919 Collection Transferred to 1920 Income Tax a/c ... | 180 00 | ... | ... | 180 00 | |
| Refunds Made ... | 45,568 41 | 3,276 70 | 1,119 11 | 49,964 22 | Miscellaneous receipts, fines, etc. ... | 1,324 10 | 601 00 | ... | 1,925 10 | Refunds Made ... | 45,568 41 | 3,276 70 | 1,119 11 | 49,964 22 | |
| Balances unclaimed ... | 23 13 | ... | 16 22 | 39 35 | Bank Interest ... | 461 50 | 109 60 | 66 10 | 637 20 | Balance at Bank (Less uncashed cheques) ... | 26,677 04 | 3,998 80 | 371 58 | 31,047 42 | |
| Miscellaneous receipts, fines, etc. ... | 1,324 10 | 601 00 | ... | 1,925 10 | | | | | | | | | | | |
| Bank Interest ... | 461 50 | 109 60 | 66 10 | 637 20 | | | | | | | | | | | |
| Suspense Account Cr. ... | 1,814 29 | 421 24 | 148 11 | 2,383 64 | a ADJUSTMENTS:— | | | | | a ADJUSTMENTS:— | | | | | |
| | | | | | Singapore — Penang ... | 440 08 | ... | ... | 440 08 | Singapore — Penang ... | 440 08 | ... | ... | 440 08 | |
| | | | | | Penang — Malacca ... | ... | ... | 984 55 | 984 55 | Penang — Malacca ... | ... | ... | 984 55 | 984 55 | |
| | | | | | Malacca — Singapore ... | 650 02 | ... | 790 20 | 1,440 22 | Malacca — Singapore ... | 650 02 | ... | 790 20 | 1,440 22 | |
| Overpayments ... | 99 69 | 5 09 | 2 46 | 107 24 | Suspense account and Assessments outstanding ... | 281,583 28 | 2,817 43 | 77,548 25 | 361,948 96 | Suspense account and Assessments outstanding ... | 281,583 28 | 2,817 43 | 77,548 25 | 361,948 96 | |
| a ADJUSTMENTS:— | | | | | Allowances in respect of Tax paid by Companies to— | | | | | Allowances in respect of Tax paid by Companies to— | | | | | |
| | | | | | (a) Assessed tax-payers | 18,916 92 | | | | (a) Assessed tax-payers | 16,916 92 | | | | |
| | | | | | (b) Exempted claimants | ... | | | | (b) Exempted claimants | ... | | | | |
| Singapore — Penang ... | ... | 440 08 | ... | 440 08 | (i) Home Refunds | 9,815 32 | 2,057 72 | 553 71 | 58,459 29 | (i) Home Refunds | 9,815 32 | 2,057 72 | 553 71 | 58,459 29 | |
| Penang — Malacca ... | ... | 984 55 | ... | 984 55 | (ii) Local claims | 27,950 88 | | | | (ii) Local claims | 27,950 88 | | | | |
| Malacca — Singapore ... | 790 20 | ... | 650 02 | 1,440 22 | (c) Others | 1,164 74 | | | | (c) Others | 1,164 74 | | | | |
| TOTAL ... \$ | 5,133,860 43 | 897,512 89 | 337,336 93 | 6,368,710 25 | | 5,133,860 43 | 897,512 89 | 337,336 93 | 6,368,710 25 | | 5,133,860 43 | 897,512 89 | 337,336 93 | 6,368,710 25 | |

HERBERT C. SELLS,
Collector-General of Income Tax,
Straits Settlements.

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HERBERT C. SELLS,
Collector-General of Income Tax,
Straits Settlements

E TAX.

| TAX. | 6 % | | | TOTAL NOT INCLUDING PERSONS EXEMPT FROM TAXATION. | | | AVERAGE RATE. |
|------------|---------------------------|------------|--------------|--|------------|--------------|------------------|
| | No. OF TAX- PAYERS. | INCOME. | TAX. | NO. | INCOME. | TAX. | |
| \$ c. | | \$ | \$ c. | | \$ | \$ c. | |
| 25,741 35 | 481 | 7,111,179 | 426,670 74 | 1,718 | 14,016,061 | 686,852 68 | 4.90 |
| 24,163 10 | 304 | 5,849,212 | 350,952 72 | 574 | 7,461,187 | 406,453 41 | 5.44 |
| 6,605 35 | 65 | 1,064,334 | 63,860 04 | 143 | 1,408,322 | 77,113 31 | 5.47 |
| 3,553 75 | 23 | 739,797 | 44,387 82 | 41 | 871,271 | 49,755 00 | 5.71 |
| 5,045 05 | 29 | 728,699 | 43,721 94 | 73 | 985,371 | 52,783 04 | 5.36 |
| 3,506 35 | 1 | 16,000 | 960 00 | 38 | 229,663 | 8,440 58 | 3.67 |
| 502 60 | 7 | 67,196 | 4,031 76 | 10 | 91,248 | 4,954 36 | 5.43 |
| 69,117 55 | 910 | 15,576,417 | 934,585 02 | 2,597 | 25,063,123 | 1,286,352 38 | 5.13 |
| 852 90 | 62 | 4,329,110 | 259,746 60 | 67 | 4,365,259 | 261,117 60 | 5.98 |
| 45,489 15 | 399 | 19,164,340 | 1,149,860 40 | 751 | 21,562,716 | 1,237,110 14 | 5.07 |
| 1,089 75 | 9 | 190,836 | 11,450 16 | 17 | 248,236 | 13,438 30 | 5.41 |
| 420 90 | 7 | 977,831 | 58,669 86 | 10 | 998,507 | 59,458 50 | 5.95 |
| 6,520 15 | 88 | 2,030,231 | 121,813 86 | 218 | 2,728,203 | 143,547 36 | 5.26 |
| 1,523 55 | 3 | 109,625 | 6,577 50 | 16 | 182,215 | 9,378 31 | 5.15 |
| 1,032 10 | 6 | 1,056,107 | 63,366 42 | 10 | 1,091,749 | 64,698 52 | 5.93 |
| 56,928 50 | 574 | 27,858,080 | 1,671,484.80 | 1,089 | 31,176,885 | 1,788,748 73 | 5.73 |
| 4,933 10 | 223 | 33,341,429 | 2,000,485 74 | 242 | 33,502,385 | 2,007,621 58 | 5.99 |
| 230,979 15 | 1,707 | 76,775,926 | 4,606,555 56 | 3,928 | 89,742,393 | 5,082,722 69 | 5.67 |
| 45,295 40 | 136 | 1,808,244 | 108,494 64 | 499 | 4,055,264 | 194,316 01 | 4.79 |
| 9,136 65 | 158 | 2,395,451 | 143,727 06 | 273 | 3,042,992 | 166,173 61 | 5.46 |
| 648 20 | 8 | 180,587 | 10,835 22 | 17 | 228,921 | 12,341 56 | 5.39 |
| 473 60 | 1 | 19,375 | 1,162 50 | 4 | 36,986 | 1,961 66 | 5.30 |
| 3,085 65 | 21 | 172,105 | 10,326 30 | 51 | 373,628 | 17,243 24 | 4.61 |
| ... | ... | ... | ... | 2 | 12,090 | 305 82 | 2.52 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| 58,639 50 | 324 | 4,575,762 | 274,545 72 | 846 | 7,749,881 | 392,341 90 | 5.06 |
| ... | 25 | 955,524 | 57,331 44 | 29 | 984,023 | 58,284 32 | 5.92 |
| 19,956 45 | 166 | 3,113,433 | 186,805 98 | 347 | 4,318,650 | 229,242 72 | 5.30 |
| ... | 3 | 35,989 | 2,159 34 | 6 | 54,281 | 2,652 55 | 4.88 |
| 523 35 | 2 | 22,104 | 1,326 24 | 3 | 32,571 | 1,849 59 | 5.67 |
| 2,177 60 | 164 | 1,004,915 | 60,294 90 | 201 | 1,239,487 | 67,698 42 | 5.46 |
| ... | ... | ... | ... | 3 | 16,000 | 320 00 | 2% |
| ... | 3 | 57,515 | 3,450 90 | 3 | 57,515 | 3,450 90 | 6% |
| 22,657 40 | 363 | 5,189,480 | 311,368 80 | 592 | 6,702,52 7 | 363,498 50 | 5.42 |
| 1,470 75 | 41 | 2,230,111 | 133,806 66 | 47 | 2,277,897 | 135,834 23 | 5.96 |
| 82,767 65 | 728 | 11,995,353 | 719,721 18 | 1,485 | 16,730,305 | 891,674 63 | 5.33 |
| 17,609 70 | 39 | 489,343 | 29,360 58 | 203 | 1,438,394 | 64,814 91 | 4.51 |
| 7,847 20 | 51 | 1,516,167 | 90,970 02 | 127 | 1,994,839 | 108,121 64 | 5.42 |
| 1,759 30 | 4 | 74,736 | 4,484 16 | 17 | 162,609 | 7,577 84 | 4.66 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| 95 80 | ... | ... | ... | 5 | 22,495 | 507 38 | 2.26 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... |
| 27,312 00 | 94 | 2,080,246 | 124,814 76 | 352 | 3,618,337 | 181,021 77 | 5.00 |
| 422 05 | 3 | 55,687 | 3,341 22 | 5 | 70,350 | 3,949 93 | 5.61 |
| 4,226 15 | 26 | 530,369.67 | 31,822 18 | 58 | 737,633 | 39,385 77 | 5.34 |
| ... | ... | ... | ... | 1 | 2,834 | 56 68 | 2.00 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | 15 | 425,828 | 25,549 68 | 18 | 444,330 | 26,079 72 | 5.87 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... |

REVENUE AND EXPENDITURE OF THE COLONY.

AUDIT OFFICE,
SINGAPORE, 29th October, 1921.

SIR,—I have the honour to submit my report on the Revenue and Expenditure of the Colony for the year 1920.

REVENUE.

1. The total revenue for the year was \$42,469,620.60 which exceeded the estimate by \$24,011,033.60 and the total of the previous year by \$8,361,155.65.

The excesses over estimated amounts were distributed as follows—

| | \$ | c. |
|--|------------|----|
| Licences, Excise and Internal Revenue not otherwise classified | 19,349,426 | 85 |
| Fees of Court or Office, Payments for Specific Services and Reimbursements in Aid | 216,908 | 79 |
| Posts and Telegraphs | 214,949 | 00 |
| Rents on Government Property | 237,112 | 98 |
| Interest | 257,275 | 90 |
| Miscellaneous Receipts | 1,745,699 | 99 |
| | 22,021,373 | 51 |
| Less Port, Harbour, Wharf and Light dues over-estimated | 389 | 68 |
| | 22,020,983 | 83 |
| Land Sales | 1,990,049 | 77 |
| Total Excesses | 24,011,033 | 60 |

Taking the main heads individually the principal excesses of receipts as compared with estimated amounts are as follows:—

(a) Licences, Excise and Internal Revenue not otherwise classified.

| | \$ | c. |
|--|------------|----|
| District and Police Courts including Marine Fines and Forfeitures | 36,036 | 94 |
| Joint Stock Companies, Registration of | 21,632 | 31 |
| Income Tax | *4,951,192 | 01 |
| Liquor Revenue | 1,084,765 | 49 |
| Liquor Shops | 12,135 | 00 |
| Motor Car and Drivers' Licences | 38,076 | 00 |
| Opium Revenue, S. S. | 10,983,054 | 30 |
| Pawnbrokers | 370,418 | 00 |
| Petroleum Duty | 94,429 | 31 |
| Rubber Dealers | 52,409 | 00 |
| Stamp Duties | 1,284,874 | 96 |
| Tobacco Duties | 369,730 | 69 |
| Tobacco Licences | 15,352 | 00 |

* Unestimated.

(b) Fees of Court or Office, Payments for Specific Services and Reimbursements in Aid.

| | \$ | c. |
|---|--------|----|
| Currency Note Ordinance 1899 Expenses of and incidental to the Execution of, S. ... | 21,453 | 49 |
| Deeds and Bills of Sales, Registration of, S. ... | 17,184 | 15 |
| District and Police Courts including Marine ... | 13,786 | 95 |
| Naturalization and Passports ... | 11,547 | 50 |
| Supreme Court and Sheriff ... | 27,487 | 23 |
| Widows' and Orphans' Pensions Contributions ... | 62,606 | 04 |

(c) Posts and Telegraphs.

| | | |
|--|---------|----|
| Commission on Money Order Business ... | 12,345 | 12 |
| Postage Stamps ... | 202,671 | 01 |
| Telegrams ... | 20,015 | 00 |

(d) Rents on Government Property.

| | | |
|----------------------------------|----------|----|
| Forest Revenue ... | 27,431 | 53 |
| Lands ... | 112,680 | 41 |
| Telok Ayer Reclamation Rents ... | a 75,000 | 00 |

(e) Interest.

| | | |
|--|--------|----|
| Interest on Investments ... | 65,227 | 23 |
| „ „ Bank Accounts ... | 83,941 | 91 |
| „ „ Loans and Advances ... | 81,970 | 65 |
| „ „ Opium Purchase Money Outstanding, S. ... | 26,663 | 61 |

(f) Miscellaneous Receipts.

| | | |
|--|-------------|----|
| Excess interest received from Harbour Boards and Municipalities on account of loan moneys lent to them ... | a 168,340 | 17 |
| Overpayments recovered ... | a 111,637 | 05 |
| Profits on Exchange, S. S. ... | a 1,424,531 | 51 |
| Royalty on Phosphate, Christmas Island ... | 14,505 | 72 |
| Miscellaneous, S. ... | 30,998 | 48 |

(g) Land Sales.

| | | |
|---|-----------|----|
| Premia on Grants ... | 236,676 | 19 |
| Premia on Special Sales of Town Lands ... | 1,753,373 | 58 |

EXPENDITURE.

2. The estimated expenditure was \$20,645,835 as against actual payments of \$39,260,318.46. There was therefore an excess of \$18,614,483.46 over the amount estimated. This amount is made up as follows:—

| | \$ | c. |
|-------------------------|------------|----|
| More than estimated ... | 22,235,661 | 52 |
| Less „ „ ... | 3,621,178 | 06 |
| | 18,614,483 | 46 |

The Main Heads of Expenditure in excess of the amounts estimated were:—

| | \$ | c. |
|----------------------------|------------|-----|
| Miscellaneous Services ... | 19,107,280 | 35. |

(a) Unestimated.

The principal items causing the excess expenditure were:—

| | \$ | c. |
|--|-----------|----|
| Salaries of Acting Officers and Allowances to Officers and others on account of enhanced cost of living | 1,580,745 | 95 |
| S.S. Contribution to Imperial War Funds ... | 5,471,936 | 28 |
| Colony's share of Loss on the Sale of rice for the year 1920 | 9,460,200 | 42 |

the latter amount being unestimated.

ASSETS & LIABILITIES.

3. The balance sheet as on 31st December, 1920, showed an excess of Assets over Liabilities of \$44,876,031.77.

SAVINGS BANK.

4. The deposits during the year amounted to \$1,800,769.29 and the withdrawals to \$1,573,580.14. The total amount (including interest) due to depositors was \$1,761,845.40 while the assets, taking the investments at the latest available market rates, were \$1,521,719.48. The balance sheet as on 31st December, 1920, showed therefore an excess of Liabilities over Assets of \$240,125.92.

DEFALCATIONS.

5. There was only one defalcation during the year. Mr. CHIANG TIAM BEE of the General Post Office, Singapore, who made defalcations to the extent of \$802.36, was convicted and sentenced to three months, rigorous imprisonment. The amount was recovered from the Public Officers Guarantee Fund.

ARREARS OF REVENUE.

6. The arrears outstanding on 31st December, 1920, amounted to \$91,119.61 classified as under:—

| | \$ | c. |
|--------------------------------------|-----------------|-----------|
| Licences, etc. | 37,079 | 80 |
| Fees of Court or Office, etc. | 2,212 | 23 |
| Posts and Telegraphs | 268 | 86 |
| Rents on Government Property | 6,767 | 43 |
| Miscellaneous Receipts | 5 | 14 |
| Hospitals Board | 27,657 | 58 |
| Rural Board | 15,215 | 07 |
| Education Board | 1,913 | 50 |
| | <u>\$91,119</u> | <u>61</u> |

Revenue for 1917, 1918, 1919 and 1920 compared:—

| Head of Revenue. | 1917. | 1918. | 1919. | 1920. |
|---------------------------------|------------|------------|------------|------------|
| | \$ | \$ | \$ | \$ |
| 1. Port and Harbour Dues | 1,995 | 1,692 | 1,506 | 1,610 |
| 2. Licences | 15,425,020 | 18,902,861 | 22,302,119 | 34,211,116 |
| 3. Fees | 754,914 | 668,292 | 736,701 | 880,845 |
| 4. Posts and Telegraphs | 834,975 | 906,811 | 1,094,083 | 1,241,071 |
| 5. Rents | 858,001 | 940,917 | 1,240,761 | 1,232,813 |
| 6. Interest | 1,043,917 | 1,086,149 | 1,374,153 | 975,196 |
| 7. Miscellaneous | 402,671 | 223,221 | 2,845,878 | 1,812,970 |
| 8. Land Sales | 350,612 | 532,072 | 4,513,263 | 2,114,000 |
| Total | 19,672,105 | 23,262,015 | 34,108,464 | 42,469,621 |

ACCOUNTS.

7. No change has been made in the system of accounts, which is that laid down in Chapter V. of Colonial Regulations.

GENERAL.

8. Mr. G. P. BRADNEY, at that time Director of External Audit, Straits Settlements and Federated Malay States, acted as Auditor General in addition to his own duties until the 3rd February, when Mr. F. A. S. McCLELLAND, who had been given the substantive appointment with effect from the 12th December, 1919, took up the duties. On the 28th May Mr. McCLELLAND was transferred to the Income Tax Department, since which date I have acted as Auditor-General.

9. The usual Returns of Revenue and Expenditure Queries are attached.

I have, etc.,

W. A. WHITE,
Acting Auditor-General, S.S.

RETURN OF REVENUE QUERIES FOR THE YEAR 1920.

| DEPARTMENT. | Singapore. | Penang. | Malacca. | Labuan. |
|---|------------|---------|----------|---------|
| Colonial Secretary's Office (Petroleum Licences) ... | ... | ... | ... | ... |
| Government Printing Office (including Store Account) ... | ... | ... | ... | ... |
| Registry of Deeds ... | ... | 6 | ... | ... |
| Land Office, Rate and Tax Rolls ... | ... | ... | ... | ... |
| Do. Rent and Mukim Rolls ... | ... | ... | ... | ... |
| District Office, Balik Pulau ... | ... | ... | ... | ... |
| Do. Butterworth ... | ... | ... | ... | ... |
| Do. Bukit Mertajam ... | ... | ... | ... | ... |
| Do. Nibong Tebal ... | ... | ... | ... | ... |
| Do. Dindings ... | ... | ... | ... | ... |
| Do. Province Wellesley ... | ... | ... | ... | ... |
| Do. Alor Gajah ... | ... | ... | 26 | ... |
| Do. Jasin ... | ... | ... | 18 | ... |
| Do. Christmas Island ... | ... | ... | ... | ... |
| Treasury ... | ... | ... | 6 | 4 |
| Stamp Office ... | ... | 12 | ... | ... |
| Accountant-General ... | ... | 2 | ... | ... |
| Marine (including Store Account) ... | ... | 24 | 1 | 3 |
| Marine Surveys ... | 5 | 4 | ... | ... |
| Registry, Supreme Court, and Sheriff Stamp Account ... | 5 | ... | ... | ... |
| Sheriff ... | 4 | 5 | 1 | ... |
| Bankruptcy Office ... | ... | ... | ... | ... |
| District & Police Courts ... | ... | 46 | 3 | 2 |
| Land ... | ... | 449 | 1 | 12 |
| District Court ... | ... | 102 | ... | ... |
| Coroner ... | 1 | ... | ... | ... |
| Police (including Store Account) ... | 8 | 117 | 22 | 8 |
| Prisons ... | ... | 2 | ... | ... |
| Medical (including Store Account) ... | 14 | 53 | 13 | ... |
| Medical School ... | 2 | ... | ... | ... |
| Government Analyst ... | ... | 4 | ... | ... |
| Government Veterinary Surgeon ... | 5 | 6 | ... | ... |
| Education and Reformatory ... | ... | 19 | 4 | 1 |
| Volunteer Store Account ... | ... | 21 | 19 | ... |
| Post Office (including Store Account) ... | ... | 17 | 4 | ... |
| Telegraph do. ... | 5 | 7 | ... | ... |
| Botanical Gardens do. ... | 6 | 1 | ... | ... |
| Agricultural Bulletin ... | ... | ... | ... | ... |
| Raffles Library and Museum ... | ... | ... | ... | ... |
| Public Works and Survey Department (including Survey Account) ... | ... | 37 | 3 | 12 |
| Protection of Estates Account ... | ... | ... | ... | ... |
| Public Officers' Guarantee Fund ... | 7 | ... | ... | ... |
| Rural Board ... | ... | 117 | 4 | 2 |
| Tan Tock Seng's Hospital Account ... | ... | ... | ... | ... |
| Widows' and Orphans' Fund ... | ... | ... | ... | ... |
| Government House Domain Account ... | ... | ... | ... | ... |
| Fees under Petroleum Ordinance ... | ... | ... | ... | ... |
| Births and Deaths ... | ... | ... | ... | ... |
| Destitute Seamen's Relief Fund Account ... | ... | ... | ... | ... |
| <i>Carried forward</i> ... | 62 | 1,051 | 141 | 44 |

RETURN OF REVENUE QUERIES FOR THE YEAR 1920.—*Continued.*

| DEPARTMENT. | Singapore. | Penang. | Malacca. | Labuan. |
|-------------------------------------|------------|---------|----------|---------|
| <i>Brought forward</i> ... | 62 | 1,051 | 141 | 44 |
| Subordinates Officers' Loan Account | ... | 39 | ... | ... |
| Hospitals Board ... | ... | 18 | ... | ... |
| Forest Department ... | ... | 20 | ... | ... |
| Telephone Exchange ... | ... | 2 | ... | ... |
| Fees under the Native Passengers | | | | |
| Lodging Houses and Registration | | 3 | | |
| of Societies ... | ... | | ... | ... |
| War Tax ... | ... | ... | ... | ... |
| Petroleum Account ... | ... | ... | ... | ... |
| Monopolies ... | ... | 8 | ... | ... |
| Savings Bank ... | ... | ... | ... | 1 |
| TOTAL ... | 62 | 1,141 | 141 | 45 |

COMPARATIVE STATEMENT OF REVENUE QUERIES.

| — | 1919. | 1920. | Increase. | Decrease. |
|---------------|-------|-------|-----------|-----------|
| Singapore ... | 30 | 62 | 32 | ... |
| Penang ... | 1,590 | 1,141 | ... | 449 |
| Malacca ... | 176 | 141 | ... | 35 |
| Labuan ... | 2 | 45 | 43 | ... |
| Total ... | 1,798 | 1,389 | 75 | 484 |

75

Net decrease ... 409

STRAITS SETTLEMENTS.

STATEMENT OF QUERIES.

On account of the Treasury, for the year ended 31st December, 1920.

| DEPARTMENT. | Singapore. | Labuan. | Penang. | Malacca. |
|---------------------------------|-------------|------------|--------------|----------|
| Colonial Secretary ... | 7 | ... | ... | ... |
| Resident ... | ... | <i>f</i> 2 | ... | ... |
| Govt. Printing Office ... | 1 | ... | ... | ... |
| Land ... | 1 | ... | 3 | 4 |
| District Office, Alor Gajah ... | ... | ... | ... | 18 |
| Do. Jasin ... | ... | ... | ... | 17 |
| Do. X'mas Island ... | 23 | ... | ... | ... |
| Do. Dindings ... | ... | ... | <i>h</i> 10 | ... |
| Do. Labuan ... | ... | 13 | ... | ... |
| Forests ... | ... | ... | ... | 5 |
| Chinese Protectorate ... | 1 | ... | ... | ... |
| Treasury ... | <i>a</i> 89 | <i>g</i> 5 | <i>i</i> 401 | ... |
| Accountant's Branch ... | 232 | ... | ... | ... |
| Sub-Treasury, Balik Pulau ... | ... | ... | <i>j</i> 10 | ... |
| Do. Bukit Mertajam ... | .. | ... | <i>k</i> 28 | ... |
| Do. Butterworth ... | ... | ... | <i>l</i> 44 | ... |
| Do. Dindings ... | ... | ... | <i>m</i> 63 | ... |
| Do. Nibong Tebal ... | ... | ... | <i>n</i> 10 | ... |
| External Audit ... | ... | ... | 5 | ... |
| Marine ... | <i>b</i> 13 | 1 | <i>o</i> 2 | 2 |
| Registry, Supreme Court ... | 6 | ... | ... | ... |
| Attorney-General ... | 2 | ... | ... | ... |
| District and Police Courts ... | 2 | ... | <i>p</i> 1 | ... |
| Police ... | 19 | 9 | <i>q</i> 12 | 20 |
| Prisons ... | 4 | ... | 1 | ... |
| Medical ... | 11 | ... | ... | 2 |
| Govt. Veterinary Surgeon ... | 1 | ... | 1 | ... |
| Education ... | 2 | ... | ... | ... |
| Ecclesiastical ... | ... | ... | ... | 1 |
| Volunteers ... | 2 | ... | 4 | 2 |
| Postal ... | ... | ... | <i>r</i> 2 | 12 |
| Botanical Gardens ... | 9 | ... | <i>s</i> 2 | ... |
| Public Works Department ... | <i>c</i> 12 | ... | 15 | 38 |
| Do. Malacca ... | <i>d</i> 1 | ... | ... | ... |
| Survey Department ... | ... | ... | ... | 4 |
| Rural Board ... | ... | 1 | 20 | 58 |
| Hospitals Board ... | <i>e</i> 17 | ... | ... | 4 |
| Education Board ... | 10 | ... | <i>t</i> 4 | 3 |
| Food Control ... | ... | ... | 4 | 2 |
| Govt. Monopolies ... | 1 | ... | ... | ... |
| Census ... | 1 | ... | ... | ... |
| TOTAL ... | 467 | 31 | 642 | 192 |

(a) 2 of 1919. (b) 1 of 1919. (c) 2 of 1919. (d) 1 of 1919. (e) 1 of 1919. (f) 1 of 1919.
 (g) 1 of 1919. (h) 10 of 1919. (i) 44 of 1919. (j) 2 of 1919. (k) 6 of 1919. (l) 9 of 1919.
 (m) 10 of 1919. (n) 2 of 1919. (o) 2 of 1919. (p) 1 of 1919. (q) 2 of 1919. (r) 1 of 1919.
 (s) 2 of 1919. (t) 2 of 1919.

STRAITS SETTLEMENTS.

TREASURY QUERIES, 1920.

| Nature of Queries raised. | Singapore. | Labuan. | Penang. | Malacca. | Total. |
|--|------------|---------|---------|----------|--------|
| Errors in :— | | | | | |
| Casting and Computation ... | 21 | 1 | 15 | 16 | 53 |
| Classification ... | 56 | 12 | 112 | 9 | 189 |
| Rates in excess of contracts | 2 | ... | 4 | 11 | 17 |
| Rates in excess of estimates | 33 | ... | ... | ... | 33 |
| Posting ... | 166 | ... | ... | ... | 166 |
| Regulations ... | 59 | 4 | 45 | 22 | 130 |
| Fair and Reasonable ... | ... | ... | 5 | 5 | 10 |
| Insufficient authority ... | 4 | ... | 11 | 19 | 34 |
| Certificates ... | 15 | ... | 8 | 26 | 49 |
| Particulars ... | 21 | 1 | 42 | 12 | 76 |
| Audit Office Instructions ... | 67 | 11 | 144 | 10 | 232 |
| Requiring documents, information, etc. ... | 23 | 2 | 256 | 62 | 343 |
| Total ... | 467 | 31 | 642 | 192 | 1,332 |

COMPARATIVE STATEMENT OF TREASURY QUERIES.

| — | 1919. | 1920. | Increase. | Decrease. |
|---------------|-------|-------|-----------|-----------|
| Singapore ... | 536 | 467 | ... | 69 |
| Labuan ... | 25 | 31 | 6 | ... |
| Penang ... | 415 | 642 | 227 | ... |
| Malacca ... | 125 | 192 | 67 | ... |
| Total ... | 1,101 | 1,332 | 300 | 69 |

Net Increase ... 231

BANKRUPTCY DEPARTMENT.

Staff.

1. *Singapore*.—Mr. C. J. SAUNDERS, Registrar of Companies and Official Assignee, went on leave on 27th January, and resumed duty on 23rd December. Mr. F. J. HALLIFAX was in charge on 31st January to 9th June. From that date Mr. G. C. VALPY, who had been hitherto doing the duties of Assistant Official Assignee, took charge, till he went on leave on the 18th November. From the 19th November to 22nd December, Mr. P. F. DAVID acted. From the 23rd December, Mr. G. L. HAM acted as Assistant Official Assignee.

Penang.—Mr. A. C. BAKER was in charge throughout the year.

Revenue and Expenditure.

2. The following table shows the revenue derived by Government from, and the expenditure of the Bankruptcy Department for the year 1920:—

| RECEIPTS. | | | | EXPENDITURE. | | | |
|-------------|-----|-------------|----------|---|-----|-------------|----------|
| 1920. | | Singapore. | Penang. | 1920. | | Singapore. | Penang. |
| | | \$ c. | \$ c. | | | \$ c. | \$ c. |
| Revenue ... | ... | 34,378 64 | 1,467 38 | Salaries of Official Assignee and Assistant Official Assignee ... | ... | 14,716 16 | ... |
| | | | | Duty and other Allowances, etc. | ... | 5,334 15 | ... |
| | | | | Salaries of Clerks, Interpreters, etc., including allowances ... | ... | 22,379 99 | 7,284 00 |
| | | | | Other Charges, Miscellaneous ... | ... | 205 60 | 48 03 |
| | | | | Contingencies Fund (legal expenses) ... | ... | ... | ... |
| Total ... | | 34,378 64 | 1,467 38 | Total ... | ... | 41,635 90 | 7,332 03 |
| | | \$35,846 02 | | | | \$48,967 93 | |

The revenue was made up as follows:—

| | <i>Singapore.</i> | | <i>Penang.</i> | |
|---|-------------------|----|----------------|----|
| | \$ | c. | \$ | c. |
| (a) Percentages on Realisation and Distribution of Assets and other charges authorised by Tables B and D in scale of fees ... | 12,969 | 59 | 433 | 73 |
| (b) Interest on Cash Balances standing to the credit of Bankruptcy Estates Account ... | 4,038 | 19 | 32 | 65 |
| (c) Judicial Stamps on Bankruptcy Proceedings cancelled in Supreme Court ... | 1,401 | 90 | 504 | 10 |
| (d) Judicial Stamps on Bankruptcy Proceedings cancelled in Office of Official Assignee ... | 160 | 75 | 16 | 90 |
| (e) Interest on Investments under section 70 ... | 15,808 | 21 | 480 | 00 |
| Total ... | \$34,378 | 64 | \$1,467 | 38 |
| Corresponding Total in 1919 ... | \$35,860 | 40 | \$2,992 | 88 |

3. In addition to the above revenue \$377.44 was paid into the Treasury in Singapore and \$398.05 in Penang, being commission on Estates controlled by the Official Assignee and Assistant Official Assignee as Receiver or Administrator.

4. The expenditure in Singapore includes as usual the salary and allowances of the Official Assignee who is also Registrar of Companies. In Penang the Assistant Official Assignee draws pay, not as such, but as Deputy Registrar of the Supreme Court, on the other hand from April 11th a Class II Clerk was lent to the Registry. There was an excess over the Estimates in Singapore of \$9,375.90 and in Penang of \$1,303, owing to the Revision of salaries and temporary allowances.

5. The revenue collected in Singapore was \$1,481.76 less than in 1919, but was up to the average of the last 6 years. There was a decrease of \$5,150.16 in Percentages and other Charges and increase of \$444.65 and \$3,797.25 in Interests. For the 5th time since 1903 Expenditure exceeded Revenue.

The revenue in Penang decreased from \$2,992.82 to \$1,467.38 (the lowest since 1903) and was 5,864.65 less than the Expenditure.

This deficit is the largest for any year since a Bankruptcy Office was opened in Penang.

6. Comparative returns of annual Revenue and Expenditure for Singapore and Penang are given in Tables A and A1 of Appendix I.

7. Under Section 131 (4) of the Bankruptcy Ordinance a sum of \$714.48 was transferred from the Bankruptcy Estates account in Penang to a separate account kept by the Accountant-General.

Amount of Insolvency.

8. Appendix I Table B contains a comparative return of liabilities and assets, as estimated in Statements of Affairs for the last 10 years.

Bankruptcy Notices, Petitions, Receiving Orders, etc.

9. *Singapore*.—One hundred and fifty Bankruptcy Notices were issued as against 171 in 1919. The total number of petitions filed was 84 as against 68 in 1919. Fifty-six Receiving Orders were made, including one made on a petition of 1919, as against 38 in 1919. Forty-six were made on creditors' petitions and ten on debtors' petitions. Of the 56 Receiving Orders 13 were against firms, and 43 against individuals. One Administration Order was made under section 113 during the year.

10. One Interim Receiving Order was made which was followed by a Receiving Order. Further one Interim Receiving Order was made in the case of a deceased debtor's estate.

11. *Penang*.—Fifty-one Bankruptcy Notices were issued as against 67 in 1919. The petitions filed numbered 30 as against 17 in 1919. There were 10 Receiving Orders as against 6 in 1919.

12. No Interim Receiving Order was made.

13. *Malacca*.—Three Receiving Orders were made during the year.

Compositions and Schemes of Arrangement.

14. *Singapore*.—Three compositions were approved by the Court as follows:—

(a) *Re HAJI AHMAD* (No. 122 of 1919). 60 per cent to be paid within two weeks after approval by the Court.

(b) *Re CHAN CHOON HONG* (No. 8 of 1920). 60 per cent to be paid within one month after approval by the Court.

(c) *Re* TEO NAI SOH, the proprietor of CHOP HEAP SENG (No. 41 of 1920). 50 per cent to be paid within two weeks after approval by the Court.

15. *Penang*.—One composition was approved by the Court:—

Re TEH SWEE HUAT (2 of 1918). 20 per cent to be paid within one month after approval by the Court.

16. No deed of arrangement was registered in the Colony.

Summonses for Discovery (Section 26).

17. *Singapore*.—Four summonses were issued in respect of four estates, including one in respect of a Malacca case. In two cases the summonses were withdrawn. In a further case, two witnesses voluntarily submitted themselves to examination under Section 26 without summons.

18. *Penang*.—No summons was issued during the year.

Orders under Section 50 and Section 99.

19. *Singapore*.—Nine orders were made under section 50 for appropriation of part of the bankrupt's salary for the benefit of his creditors. The monthly payments ordered were \$35, \$25, \$10, \$5, and \$3.

20. The District Court made two Administration Orders under section 99, ordering monthly payments of \$12 and \$10.

21. *Penang*.—No orders were made under section 50 or section 99.

Warrants.

22. *Singapore*.—Two warrants under section 24 were issued during the year for the arrest of the following persons:—

(1) SOONA PANA RAVENA MANA RAMASAMY CHITTY (No. 142 of 1911).

(2) OH CHEOW YAM (No. 154 of 1920).

In the last case the warrant was not executed.

23. *Penang*.—Two warrants under section 24 (1) (a) were issued during the year for the arrest of (1) YEOH HONG KI (No. 17 of 1919); (2) T. SAKUTA (No. 11 of 1919). Both these debtors had absconded and the warrants could not be executed.

Applications for Orders of Committal.

24. *Singapore*.—Seven applications were made to commit debtors who had made default in payment of instalments under section 50. Five were withdrawn on the debtors paying up the arrears due: in one case Order of Committal for one week's imprisonment was made but not executed as a satisfactory explanation was subsequently given by the debtor to the Court, and in another case the debtor was warned by the Court.

25. In *Penang* no application for committal was made.

Sections 16 and 23.

26. *Singapore*.—Four applications were made to commit debtors for contempt of Court. Three of these were withdrawn and in one case an Order was made for the committal of the debtor for 21 days unless he attended on the Official Assignee within 7 days to submit his Statement of Affairs. The Order was not executed.

Judgment Summonses under Rule 232 (4).

27. *Singapore*.—Two judgment summonses, issued against two debtors, were withdrawn on payment of the arrears due.

28. *Penang*.—No judgment summons was issued during the year.

Orders to undergo Imprisonment under Section 107A.

29. No order was made during the year.

Legal Proceedings.

30. *Singapore*.—

Re T. C. LOVERIDGE.

R. M. C. L. LERCHUMANAN CHITTY, the petitioner, provided in 1914 for \$10,404.80. The Official Assignee after his death reduced the proof by \$5,085.63. His administration in 1920 after obtaining extension of time appealed against this reduction. The Court after a hearing which extended over three days allowed the proof at \$7,954.80 and gave the appellant half costs.

Amount of Insolvency, Liabilities and Gross Assets.

31. *Singapore*.—The gross liabilities estimated in debtor's Statement of Affairs were \$3,596,114.84 as against \$349,602 in 1919, and the gross estimated assets \$960,865.10 as against \$176,630 in 1919. The estimated loss to creditors was \$2,635,249.74 compared with \$172,972 in 1919: the estimated loss per centum was 73.28 compared with 49.47 in 1919. This great difference is largely due on a single failure for \$2,581,054.03.

32. *Penang*.—The gross estimated liabilities were \$55,113.97 as against \$33,128.73 in 1919, and the estimated loss \$45,815.42 as against \$14,937.27. The estimated loss per centum was 83.12 as against 45.08 in 1919.

33. Appendix II gives the names of the debtors against whom Receiving and Adjudication Orders were made during the year, together with a short summary of each bankruptcy.

Nationalities.

34. *Singapore*.—Under the 56 Receiving Orders made during the year 59 persons were adjudged bankrupt, viz.:—36 Chinese, 10 natives of India, 4 Eurasians, 4 Europeans, 1 Anglo-Indian, 1 American, 1 Arab, 1 Ceylonese and 1 Malay.

35. *Penang*.—Ten Chinese and 1 Japanese were adjudged bankrupt during the year.

36. *Malacca*.—Two Chinese and one native of India were adjudged bankrupt.

Occupation.

37. *Singapore*.—

Chinese.—Traders twenty-two, clerks 9, no occupation 2, contractors 2, spirit shop-keeper one.

Indians.—Contractors 3, milk sellers 2, steward, computer, dubash, bandsman and merchant, one each.

Europeans.—Traders two, mercantile assistant and marine engineer, one each.

Anglo-Indian.—Clerk one.

American.—Manager one.

Eurasians.—Clerk, smelter, one each. No occupation, two.

Malay.—Engineer one.

Arab.—Trader one.

Ceylonese.—Jeweller one.

38. *Penang*.—

Chinese.—Traders six, bill collector, proprietor, liquor shop licensee and coffin dealer, one each.

Japanese.—Trader, one.

39. *Malacca*.—

Chinese.—Trader and pork seller, one each.

Indian.—Trader, one.

Dividends.

40. *Singapore*.—Forty-one dividends were declared in forty bankruptcies and administrations dating from 1896. Dividends of 100 per cent were paid in six cases, in three of which 8 per cent interest from the date of the Receiving Order was paid in addition; in three other cases payment of 100 per cent was completed by a final dividend.

41. *Penang*.—Nine dividends were declared in as many bankruptcies: one of these was for 100 per cent, paid to all but two creditors who proved late and received only 19 per cent. In a 1909 bankruptcy a final dividend brought payment up to 100 per cent.

42. *Malacca*.—Two dividends were declared of which one was for 100 per cent with 8 per cent interest from the date of the Receiving Order.

Applications for Discharge.

43. *Singapore*.—There were 18 applications for discharge, including two by one bankrupt. One was refused, three were granted unconditionally, one was postponed *sine die*, and 13 were granted but suspended for periods varying from one week to eighteen months. Of the bankruptcies two dated from 1906, two from 1914, four from 1915, three from 1917 and one each from 1903, 1909, 1912, 1916, 1918, 1919 and 1920.

44. *Penang*.—There were 5 applications for discharge, of which two were granted absolutely, one was dismissed and two were pending at the end of the year. The bankrupts were adjudicated in 1909, 1911, 1914, 1916 and 1918 respectively.

45. *Malacca*.—One bankrupt adjudicated in 1919 obtained an absolute discharge.

Annulment on payment in full.

46. *Singapore*.—Applications for Rescission of Receiving Order and Annulment of Adjudication were granted in three bankruptcies on the ground that the debts had been paid in full. One of the bankruptcies dated back to 1916 and the two others were 1919 matters.

Annulment on other grounds.

47. *Singapore*.—Rescission and Annulment were granted in one case on the application of the bankrupt on the ground that she was a minor. In another case an adjudication order was annulled on the ground that the bankrupt had died before the date of the Receiving Order.

48. *Penang*.—One Order for Rescission of Receiving Order and Annulment of adjudication was made on the grounds that the petitioning creditor, who was the only creditor, was prepared to accept a composition paid by a relative and that there were no assets.

General.

49. *Singapore*.—One Society was wound up by the Official Assignee under the Societies Ordinance, 1909.

50. The Official Assignee under Section 946 of the Civil Procedure Code administered the estates of one deceased person. He was released from the Receivership of the estate of SENG YONG CHENG, deceased.

51. *Penang*.—During the year the Official Assignee as Administrator or Receiver controlled 18 estates of deceased persons: the commission (five per cent) paid into the Treasury amounted to \$398.05 against \$3,620.20 in 1919.

52. The Assistant Official Assignee as Official Receiver also wound up Holm Dickinson Theatre, Limited, under the Companies Ordinance, 1915: fees and percentages amounting to \$263.20 were paid into the Treasury.

53. The feature of the year was the failure of Low How KIM and Company in September, due to continued purchases of rubber on forward contract: the debtor who at the beginning of the year was worth \$1,500,000 failed for \$2,500,000. After offering a composition of 40 per cent, he arranged a composition of 22.5 per cent in bankruptcy and was not adjudicated. TAN SZ CHENG of Chops "TAN CHOON LEE" and "TAN GUAN CHUA" and his brother TAN KIAN JOO of Chop "HENG SOON SENG," who failed for \$246,904 and \$140,632 respectively, had both been insolvent for years. The other larger bankruptcies were the Straits Rubber Trading Company \$84,353, due to forward contracts for sale and rising market; SOON HUAT and Company \$75,746 partly due to the boycott of Japanese goods; and two criminal bankruptcies, FUI SHONG and Company \$80,379 and LAM LOI HEE \$66,383, in which the bankrupts, both Kehs, after obtaining all the goods and borrowing all the money they could get, disappeared.

The largest Penang bankruptcy was that of THAM HAP, \$19,525, who in 1921 was dealt with under Section 107A of the Ordinance.

54. The general trade slump during the latter half of the year did not produce a large crop of bankruptcies within the year. Creditors have avoided pressure in all cases in which there has been a reasonable hope that the debtor could recover his position. Further many failures do not necessarily result in many bankruptcies: especially in hard times, there are a number of private settlements which are not even registered.

55. The following Appendices are attached:—

Appendix I, Table A.—Statement of Revenue and Expenditure since the commencement of the Ordinance, 1888 for Singapore.

Appendix I, Table B.—Statement of Revenue and Expenditure since the Department was started for Penang.

Appendix I, Table C.—Total amount of insolvency in the Colony during the last 10 years as estimated in Statements of Affairs.

Appendix II.—Receiving and Administration Orders, Singapore, Penang, and Malacca.

C. J. SAUNDERS,
Official Assignee.

SINGAPORE, 27th October, 1921. [9931/21.]

APPENDIX I.

Table A.

Statement of the Revenue and Expenditure of the Bankruptcy Department for Singapore since the commencement of the Bankruptcy Ordinance, 1888.

| YEAR. | | | Revenue. | Expenditure. | Surplus. | Deficiency. |
|-----------|-----|-----|------------|--------------|------------|-------------|
| | | | \$ c. | \$ c. | \$ c. | \$ c. |
| 1889 | .. | ... | 5,495 34 | 8,303 29 | ... | 2,807 95 |
| 1890 | ... | ... | 7,261 61 | 9,043 92 | ... | 1,782 31 |
| 1891 | ... | ... | 13,307 68 | 10,015 48 | 3,292 20 | ... |
| 1892 | ... | ... | 8,246 83 | 10,389 74 | ... | 2,142 91 |
| 1893 | ... | ... | 7,389 06 | 9,811 25 | ... | 2,422 19 |
| 1894 | ... | ... | 7,887 05 | 10,542 64 | ... | 2,655 59 |
| 1895 | ... | ... | 4,127 01 | 11,333 53 | ... | 7,206 52 |
| 1896 | ... | ... | 6,987 18 | 11,596 33 | ... | 4,609 15 |
| 1897 | ... | ... | 4,780 16 | 11,120 03 | ... | 6,339 87 |
| 1898 | ... | ... | 4,993 35 | 10,561 98 | ... | 5,568 63 |
| 1899 | ... | ... | 7,558 81 | 11,292 01 | ... | 3,733 20 |
| 1900 | ... | ... | 6,599 12 | 11,588 62 | ... | 4,989 50 |
| 1901 | ... | ... | 6,728 36 | 9,378 37 | ... | 2,650 01 |
| 1902 | ... | ... | 12,591 08 | 14,223 25 | ... | 1,632 17 |
| 1903 | ... | ... | 11,357 07 | 14,463 14 | ... | 3,106 07 |
| 1904 | ... | ... | 14,461 76 | 14,090 52 | 371 24 | ... |
| 1905 | ... | ... | 17,172 22 | 13,203 80 | 3,968 42 | ... |
| 1906 | ... | ... | 23,554 01 | 14,124 92 | 9,429 09 | ... |
| 1907 | ... | ... | 22,197 82 | 14,627 94 | 7,569 88 | ... |
| 1908 | ... | ... | 27,344 01 | 14,656 63 | 12,687 38 | ... |
| 1909 | ... | ... | 34,820 21 | 14,380 75 | 20,439 46 | ... |
| 1910 | ... | ... | 21,158 47 | 14,492 46 | 6,666 01 | ... |
| 1911 | ... | .. | 19,007 04 | 15,089 93 | 3,917 11 | ... |
| 1912 | ... | ... | 15,638 91 | 15,839 15 | ... | 200 24 |
| 1913 | ... | ... | 17,554 17 | 15,607 11 | 1,947 06 | ... |
| 1914 | ... | ... | 32,779 22 | 10,667 67 | 22,111 55 | ... |
| 1915 | ... | ... | 29,588 47 | 29,922 31 | ... | 333 84 |
| 1916 | ... | ... | 30,993 04 | 30,010 95 | 982 09 | ... |
| 1917 | ... | ... | 38,310 07 | 31,024 35 | 7,285 72 | ... |
| 1918 | ... | ... | 35,460 04 | 30,867 89 | 4,592 15 | ... |
| 1919 | ... | ... | 35,860 40 | * 44,064 07 | ... | * 8,203 67 |
| 1920 | ... | ... | 34,378 64 | 41,635 90 | ... | 7,257 26 |
| Total ... | | | 565,588 21 | 527,969 93 | 105,259 36 | 67,641 08 |

* Adjusted to include payments in respect of 1919 made in 1920.

APPENDIX I. —*Continued.*

Table B.

Statement showing the Revenue and Expenditure of the Bankruptcy Department, Penang, in each year for the last 17 years.

| YEAR. | | | Revenue. | Expenditure. | Surplus. | Deficiency. |
|-------|-----|-----|----------|--------------|----------|-------------|
| | | | \$ c. | c. | \$ c. | \$ c. |
| 1904 | ... | ... | 3,230 20 | 1,513 15 | 1,717 05 | ... |
| 1905 | ... | ... | 6,358 99 | 2,112 80 | 4,246 19 | ... |
| 1906 | ... | ... | 5,292 84 | 3,103 99 | 2,188 85 | ... |
| 1907 | ... | ... | 4,492 99 | 3,393 22 | 1,099 77 | ... |
| 1908 | ... | .. | 5,963 91 | 2,893 20 | 3,070 71 | ... |
| 1909 | ... | ... | 6,950 71 | 4,327 80 | 2,622 91 | ... |
| 1910 | ... | . | 7,389 43 | 5,483 28 | 1,906 15 | ... |
| 1911 | ... | ... | 4,962 11 | 5,550 09 | ... | 587 98 |
| 1912 | ... | ... | 4,190 62 | 5,318 92 | ... | 1,128 30 |
| 1913 | ... | ... | 3,614 98 | 5,212 12 | ... | 1,597 14 |
| 1914 | ... | ... | 4,441 63 | 5,862 40 | ... | 1,420 77 |
| 1915 | ... | ... | 4,150 36 | 5,845 51 | ... | 1,695 15 |
| 1916 | ... | ... | 1,929 24 | 5,934 30 | ... | 4,005 06 |
| 1917 | ... | .. | 2,656 02 | 5,635 61 | ... | 2,979 59 |
| 1918 | ... | ... | 3,750 11 | 5,767 61 | ... | 2,017 50 |
| 1919 | ... | ... | 2,992 82 | 5,900 00 | ... | 2,907 18 |
| 1920 | ... | ... | 1,467 38 | 7,332 03 | ... | 5,864 65 |

APPENDIX I.—Continued.

Table C.

Statement of the Total Amount of Insolvency during the last 10 years as estimated in Statements of Affairs:—

| — | | No. of Receiving Orders. | Estimated Liabilities. | Estimated Assets. | Net esti- mated loss to Credi- tors. | Estimated loss per centum. |
|------|-------|--|---------------------------|----------------------|---|----------------------------------|
| | | | \$ c. | \$ c. | \$ c. | |
| 1911 | S.... | 40 | 1,042,853 00 | 244,551 00 | 798,302 00 | 76.55 |
| | P.... | 21 | 168,636 00 | 107,292 00 | 61,344 00 | 36.37 |
| | M.... | 1 | 1,554 00 | ... | 1,554 00 | 100.00 |
| | | In 4 cases no Statements of Affairs were filed. | | | | |
| 1912 | S.... | 32 | 373,434 00 | 83,810 00 | 289,624 00 | 77.56 |
| | P.... | 10 | 192,876 00 | 21,111 00 | 171,765 00 | 89.06 |
| | M.... | 1 | 4,675 00 | 2,451 00 | 2,224 00 | 47.57 |
| 1913 | S.... | 54 | 1,617,734 00 | 373,524 00 | 1,224,209 00 | 76.91 |
| | P.... | 15 | 119,969 00 | 67,019 00 | 52,950 00 | 44.13 |
| | M.... | 2 | ... | ... | ... | ... |
| | | No Statements of Affairs were filed. | | | | |
| 1914 | S.... | 80 | 5,681,379 32 | 1,624,809 70 | 4,056,569 70 | 71.40 |
| | P.... | 16 | 77,780 90 | 54,823 49 | 22,957 41 | 29.51 |
| | M.... | 3 | 27,230 93 | 7,642 53 | 19,588 40 | 71.93 |
| 1915 | S.... | 68 | 944,871 02 | 263,090 30 | 681,780 72 | 72.14 |
| | P.... | 11 | 29,058 55 | 4,647 48 | 24,411 07 | 84.01 |
| | M.... | 2 | 21,974 39 | 4,461 79 | 17,512 50 | 79.69 |
| | | In 7 cases no Statements of Affairs were filed. | | | | |
| 1916 | S.... | 47 | 614,889 96 | 202,064 52 | 412,825 44 | 67.13 |
| | P.... | 14 | 43,736 76 | 7,239 33 | 36,497 43 | 83.45 |
| | M.... | 2 | 12,940 54 | 9,749 68 | 3,190 86 | 24.65 |
| | L.... | 1 | 785 87 | 335 50 | 450 37 | 57.30 |
| | | In 3 cases no Statements of Affairs were filed. | | | | |

APPENDIX I.—Continued.

Table C.—Continued.

| — | | No. of Receiving Orders. | Estimated Liabilities. | Estimated Assets. | Net esti- mated loss to Creditors | Estimated loss per centum. |
|------|---------|--|---------------------------|----------------------|---|----------------------------------|
| | | | \$ c. | \$ c. | \$ c. | |
| 1917 | { S ... | 43 | 489,097 00 | 199,806 00 | 289,291 00 | 59 14 |
| | { P.... | 23 | 24,673 20 | 3,831 16 | 20,842 00 | 84 47 |
| | { M.... | 1 | 45,458 20 | 20,175 53 | 25,282 67 | 55 61 |
| | | In 4 cases no Statements of Affairs were filed. | | | | |
| | | In 10 cases no Statements of Affairs were filed. | | | | |
| 1918 | { S.... | 49 | 651,867 84 | 227,212 48 | 424,655 36 | 65 14 |
| | { P.... | 12 | 105,975 99 | 41,207 72 | 64,768 27 | 61 11 |
| | { M.... | 3 | 4,726 40 | ... | 4,726 40 | 100 00 |
| | | In 8 cases no Statements of Affairs were filed. | | | | |
| | | In 1 case no Statement of Affairs was filed. | | | | |
| 1919 | { S.... | 38 | 349,602 42 | 176,630 06 | 172,972 36 | 49 47 |
| | { P.... | 6 | 33,128 73 | 18,191 46 | 14,937 27 | 45 08 |
| | { M.... | 3 | 18,982 83 | 18,805 91 | 176 92 | 09 |
| | | In 2 cases no Statements of Affairs were filed. | | | | |
| 1920 | { S.... | 57 | 3,596,114 84 | 960,565 10 | 2,635,249 74 | 73 28 |
| | { P.... | 10 | 55,113 97 | 9,298 55 | 45,815 42 | 83 12 |
| | { M.... | 3 | 7,552 27 | 4,771 67 | 2,780 50 | 36 81 |
| | | In 11 cases no Statements of Affairs were filed. | | | | |

APPENDIX I.—*Concluded.*Table C.—*Concluded.*

Statement of the total amount of insolvency in the Settlement of Penang during the last fifteen years.

| Year. | No. of Receiving Orders. | Estimated Liabilities. | Estimated Assets. | Nett esti- mated loss to Creditors. | Estimated loss per centum. |
|----------|--------------------------------|---------------------------|----------------------|---|----------------------------------|
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| 1906 ... | 8 | 211,267 00 | 73,057 00 | 138,209 00 | 60 68 |
| 1907 ... | 22 | 115,769 00 | 19,135 00 | 96,634 00 | 83 47 |
| 1908 ... | 32 | 158,056 00 | 334,656 00 | 823,400 00 | 71 01 |
| 1909 ... | 25 | 871,944 00 | 176,620 00 | 695,324 00 | 79 74 |
| 1910 ... | 28 | 729,018 00 | 193,034 00 | 535,984 00 | 73 51 |
| 1911 ... | 21 | 168,636 00 | 107,292 00 | 61,344 00 | 36 37 |
| 1912 ... | 21 | 192,876 00 | 21,111 00 | 171,765 00 | 89 06 |
| 1913 ... | 15 | 119,969 00 | 67,019 00 | 52,950 00 | 44 13 |
| 1914 ... | 16 | 77,780 90 | 54,823 49 | 22,957 41 | 29 51 |
| 1915 ... | 11 | 29,058 55 | 12,406 81 | 16,651 74 | 84 01 |
| 1916 ... | 14 | 43,736 76 | 7,239 33 | 36,497 43 | 94 15 |
| 1917 ... | 23 | 24,673 20 | 3,831 16 | 20,842 04 | 84 47 |
| 1918 ... | 12 | 105,975 99 | 41,207 72 | 64,768 27 | 61 11 |
| 1919 ... | 6 | 33,128 73 | 18,191 46 | 14,937 27 | 45 08 |
| 1920 ... | 10 | 55,113 97 | 9,298 55 | 45,815 42 | 83 12 |

APPENDIX II.

Receiving Orders.

Singapore.

(1) *Re HO CHAI* (No. 111 of 1919):—

Amount realised ... Nil.

Description: Contractor. Address: No. 175, New Bridge Road. Date of Receiving and Adjudication Orders 16th January, 1920. Date of Order for Summary Administration: 11th February, 1920. Proofs lodged \$611.99.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

(2) *Re F. V. CURREEM* (No. 163 of 1919):—

| | |
|------------------------------------|--------|
| | \$ c. |
| Liabilities expected to rank ... | 364 00 |
| Assets estimated by the debtor ... | 40 00 |
| Amount realised ... | 500 00 |

Description: Steward. Address: Isolation Hospital, Moulmein Road. Date of Receiving and Adjudication Orders: 16th January, 1920. Date of Order for Summary Administration: 28th January, 1920. Proofs lodged \$364.35.

The Receiving and Adjudication Orders were rescinded and annulled on payment of the bankrupt's creditors in full with interest.

(3) *Re* CHAN CHOON HONG (No. 8 of 1920):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 12,431 | 33 |
| Assets estimated by debtor | ... | ... | 6,532 | 00 |
| Amount realised | ... | ... | 8,575 | 11 |

Description: Clerk. Address: No. 4, off Gaylang Road. Date of Receiving and Adjudication Orders: 20th January, 1920. Proofs lodged \$13,382.75.

A Composition of 60 per cent payable in one instalment within one month after the approval was approved by the Court on 25th June, 1920, and the Receiving and Adjudication Orders were rescinded and annulled respectively.

(4) *Re* TAY CHAK NEO (No. 9 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 8,593 | 33 |
| Assets estimated by the debtor | ... | ... | 3,266 | 66 |
| Amount realised | ... | ... | Nil. | |

Description: married woman. Address: No. 4, off Gaylang Road. Date of Receiving and Adjudication Orders: 20th January, 1920. Proofs lodged \$8,695 43.

Her discharge was granted subject to a suspension of one week from 12th November, 1920.

(5) *Re* The STRAITS RUBBER TRADING COMPANY (No. 177 of 1919):—

| | | | \$ | c. |
|---------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 84,353 | 00 |
| Assets estimated by the debtors | ... | ... | 8,108 | 84 |
| Amount realised | ... | ... | 5,592 | 93 |

Description: Traders. No. 19, Winchester House. Date of Receiving Order: 23rd January, 1920 and of Adjudication Order against A. G. ANDREWS, TAN KIM HONG and CHEONG PECK TEE: 23rd January, 1920.

Proofs lodged \$95,744.66.

Separate estate of A. G. ANDREWS:—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | Nil. | |
| Assets estimated by the debtor | ... | ... | 450 | 00 |
| Amount realised | ... | ... | 240 | 00 |
| Proofs lodged | ... | ... | Nil. | |

Separate estate of TAN KIM HONG:—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,000 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |
| Proofs lodged | ... | ... | Nil. | |

Separate estate of CHEONG PECK TEE:—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,620 | 20 |
| Assets estimated by the debtor | ... | ... | 107 | 11 |
| Amount realised | ... | ... | Nil. | |
| Proofs lodged | ... | ... | 340 | 00 |

(6) *Re ONG ANN SWEE* (No. 172 of 1919):—

| | \$ | c. |
|---------------------------------------|------|----|
| Liabilities expected to rank | 255 | 50 |
| Assets estimated by the debtor | Nil. | |
| Amount realised | 45 | 00 |

Description: Clerk. Address No. 54, Middle Road. Date of Receiving and Adjudication Orders: 23rd January, 1920. Date of Order for Summary Administration: 28th January, 1920. Proofs lodged \$255.50.

The bankrupt was ordered by the Court to pay \$5 per month to the Official Assignee for the benefit of his creditors.

(7) *Re WEE KIM SIONG* (No. 110 of 1919):—

| | \$ | c. |
|---------------------------------------|-----|----|
| Liabilities expected to rank | 805 | 25 |
| Assets estimated by the debtor | 20 | 00 |
| Amount realised | 1 | 04 |

Description: Merchant. Address: 14, Cecil Street. Date of Receiving and Adjudication Orders: 6th February, 1920. Date of Order for Summary Administration: 3rd March, 1920. Proofs lodged \$710.50.

(8) *Re WEE PECK LOA* (No 109 of 1919):—

| | \$ | c. |
|---------------------------------------|------|----|
| Liabilities expected to rank | 505 | 25 |
| Assets estimated by the debtor | Nil. | |
| Amount realised | Nil. | |

Description: Married woman. Address 13, Kampong Java Road. Date of Receiving and Adjudication Orders: 6th February, 1920. Date of Order for Summary Administration: 3rd March, 1920. Proofs lodged \$505.20.

The Receiving Order and Adjudication Order were rescinded and annulled respectively on 25th June, 1920 on the ground that she was a minor.

(9) *Re CHEONG CHIN LIN* (No. 108 of 1919):—

| | \$ | c. |
|---------------------------------------|-----|----|
| Liabilities expected to rank | 960 | 00 |
| Assets estimated by the debtor | 20 | 00 |
| Amount realised | 600 | 00 |

Description: Clerk. Address: No. 13, Kampong Java Road. Date of Receiving and Adjudication Orders: 6th February, 1920. Date of Order for Summary Administration: 3rd March, 1920. Proofs lodged \$2,310.75.

A first and final dividend of 21 per cent was declared.

(10) *Re SOONA SANMUGAM* (No. 7 of 1920):—

| | \$ | c. |
|---------------------------------------|------|----|
| Liabilities expected to rank | 441 | 25 |
| Assets estimated by the debtor | 265 | 00 |
| Amount realised | Nil. | |

Description: Contractor. Address: No. 222, Serangoon Road. Date of Receiving and Adjudication Orders: 13th February, 1920. Date of Order for Summary Administration: 26th February, 1920. Proofs lodged \$376.25.

(11) *Re The NEDERLANDSCHE INDISCHE FIREWOOD COMPANY*:—

Chop ENG GUAN JOO (No. 173 of 1919):—

| | \$ | c. |
|------------------------|-------|----|
| Amount realised | 1,200 | 00 |

Description: Traders. Address: No. 20, Norris Road. Date of Receiving Order: 5th March, 1920. Date of Order for Summary Administration: 16th June, 1920. Proofs lodged \$2,421.10.

No Statement of Affairs was filed as the debtors disappeared before the date of the Receiving Order.

YEO CHENG LIAT, the manager, by arrangement with the Official Assignee, pays \$200 per mensem for the benefit of the creditors.

(12) *Re* ANG BOON SENG (No. 182 of 1919):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 550 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 159, Waterloo Street. Date of Receiving and Adjudication Orders: 9th April, 1920. Date of Order for Summary Administration: 20th April, 1920. Proofs lodged nil.

(13) *Re* ARTHUR S. HUDSON (No. 160 of 1919):—

| | | | |
|-----------------|-----|-----|------|
| Amount realised | ... | ... | Nil. |
|-----------------|-----|-----|------|

Description: Marine Engineer. Address: No. 42, Oxley Road. Date of Receiving and Adjudication Orders: 9th April, 1920. Date of Order for Summary Administration: 21st May, 1920. Proofs lodged \$2,900.

No Statement of Affairs was filed as the bankrupt had disappeared before the date of the Receiving Order.

(14) *Re* YEO SIM HOE (No. 35 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 724 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | 15 | 00 |

Description: Clerk. Address: 674, North Bridge Road. Date of Receiving and Adjudication Orders: 7th May, 1920. Date of Order for Summary Administration: 1st June, 1920. Proofs lodged \$1,012.25.

The bankrupt was ordered by the Court to pay \$3 per month to the Official Assignee for the benefit of his creditors.

(15) *Re* SIEW SARAN (No. 49 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,233 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Milk seller. Address: Macpherson Road. Date of Receiving and Adjudication Orders: 21st May, 1920. Date of Order for Summary Administration: 4th June, 1920. Proofs lodged nil.

(16) *Re* RAMDAYAL GWALA (No. 48 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,233 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Milk seller. Address: Macpherson Road. Date of Receiving and Adjudication Orders: 21st May, 1920. Date of Order for Summary Administration: 4th June, 1920. Proofs lodged nil.

(17) *Re* G. W. DE SILVA (No. 15 of 1920):—

| | | | |
|-----------------|-----|-----|------|
| Amount realised | ... | ... | Nil. |
|-----------------|-----|-----|------|

Description: Jeweller. Address: Serangoon Road. Date of Receiving and Adjudication Orders: 21st May, 1920. Date of Order for Summary Administration: 17th June, 1920. Proofs lodged \$4,400.75.

No Statement of Affairs was filed as the debtor disappeared before the date of Receiving Order.

(18) *Re WEE BAH CHEE* (No. 30 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 1,269 | 00 |
| Assets estimated by the debtor ... | ... | ... | 250 | 00 |
| Amount realised ... | ... | ... | 230 | 00 |

Description: Clerk. Address No. 69, Cantonment Road. Date of Receiving and Adjudication Orders: 4th June, 1920. Date of Order for Summary Administration: 24th July, 1920. Proofs lodged \$1,196.45

By arrangement with the Official Assignee the bankrupt pays \$10 per month for the benefit of his creditors.

(19) *Re TEO NAI SOH*, the proprietor of Chop "Heap Seng" (No. 41 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 1,992 | 96 |
| Assets estimated by the debtor ... | ... | ... | 800 | 00 |
| Amount realised ... | ... | ... | 1,210 | 00 |

Description: Spirit shop-keeper. Address: No. 20, Bain Street. Date of Receiving and Adjudication Orders: 4th June, 1920. Date of Order for Summary Administration: 23rd June, 1920. Proofs lodged \$2,052.17.

A Composition of 50 per cent payable within 2 weeks in one payment was approved by the Court.

(20) *Re CHEONG GEOK KEE* (No. 43 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 6,022 | 84 |
| Assets estimated by the debtor ... | ... | ... | 1,887 | 12 |
| Amount realised ... | ... | ... | Nil. | |

Description: Trader. Address: 75, Neil Road. Date of Receiving and Adjudication Orders: 25th June, 1920. Date of Order for Summary Administration: 8th November, 1920. Proofs lodged \$3,253.49.

An Order was made by the Court to commit him to prison for 21 days for contempt but was not executed.

(21) *Re CHOP KIM BEE* (No. 60 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 6,754 | 54 |
| Assets estimated by the debtor ... | ... | ... | 2,496 | 47 |
| Amount realised ... | ... | ... | 2,136 | 56 |

Description: Traders. Address: No. 61, Cross Street. Date of Receiving Order against LIM KIM KEE and NG KIM PUI: 2nd July, 1920. Date of Order for Summary Administration: 17th July, 1920. Proofs lodged \$5,951.25.

One of the partners NG KIM PUI disappeared before the date of the Receiving Order.

Separate Estate of LIM KIM KEE:—

| | | | \$ | c. |
|------------------------------------|-----|-----|------|----|
| Liabilities expected to rank ... | ... | ... | 800 | 00 |
| Assets estimated by the debtor ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | Nil. | |

(22) *Re FUI SHONG & COMPANY* (No. 62 of 1920):—

| | | | | |
|---------------------|-----|-----|-----|----------|
| Amount realised ... | ... | ... | ... | 5,589 92 |
|---------------------|-----|-----|-----|----------|

Description: Traders. Address: No. 204, South Bridge Road. Date of Receiving Order and of Adjudication Order against LOH AH CHONG: 2nd July, 1920. Proofs lodged \$80,379.56.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

(23) *Re P. GOVINDA PADIACHY* (No. 37 of 1920):—

| | | | | |
|------------------------------------|-----|-----|-----|----------|
| | | | | \$ c. |
| Liabilities expected to rank ... | ... | ... | ... | 1,249 00 |
| Assets estimated by the debtor ... | ... | ... | ... | 790 00 |
| Amount realised ... | ... | ... | ... | 268 62 |

Description: Contarctor. Address No. 37, Kerbau Lane. Date of Receiving and Adjudication Orders: 2nd July, 1920. Date of Order for Summary Administration: 13th July, 1920. Proofs lodged \$2,081.

(24) *Re SUPPERMANIAN KANAPATHIPPILAI* (No. 80 of 1920):—

| | | | | |
|------------------------------------|-----|-----|-----|----------|
| | | | | \$ c. |
| Liabilities expected to rank ... | ... | ... | ... | 1,640 46 |
| Assets estimated by the debtor ... | ... | ... | ... | 250 00 |
| Amount realised ... | ... | ... | ... | 125 00 |

Description: Computer. Address: No. 1720, Joo Chiat Road. Date of Receiving and Adjudication Orders: 7th July, 1920. Date of Order for Summary Administration: 16th July, 1920. Proofs lodged \$1,441.46.

The bankrupt was ordered by the Court to pay \$25 per mensem to the Official Assignee for the benefit of his creditors.

(25) *Re SAVENA MOONA HAMJAH* (No. 47 of 1920):—

| | | | | |
|------------------------------------|-----|-----|-----|--------|
| | | | | \$ c. |
| Liabilities expected to rank ... | ... | ... | ... | 981 05 |
| Assets estimated by the debtor ... | ... | ... | ... | Nil. |
| Amount realised ... | ... | ... | ... | Nil. |

Description: Dubash. Address: No. 5, Noordin Lane. Date of Receiving and Adjudication Orders: 9th July, 1920. Date of Order for Summary Administration: 21st July, 1920. Proofs lodged \$155.25.

(26) *Re WEE KIM TUAN* (No. 50 of 1920):—

| | | | | |
|------------------------------------|-----|-----|-----|----------|
| | | | | \$ c. |
| Liabilities expected to rank ... | ... | ... | ... | 1,175 00 |
| Assets estimated by the debtor ... | ... | ... | ... | Nil. |
| Amount realised ... | ... | ... | ... | Nil. |

Description: Trader. Address: No. 57, Kim Yan Road. Date of Receiving and Adjudication Orders: 9th July, 1920. Date of Order for Summary Administration: 27th July, 1920. Proofs lodged \$1,068.63.

(27) *Re S. R. FRANCIS* (No. 169 of 1919):—

| | | | | |
|------------------------------------|-----|-----|-----|----------|
| | | | | \$ c. |
| Liabilities expected to rank ... | ... | ... | ... | 1,269 85 |
| Assets estimated by the debtor ... | ... | ... | ... | 20 00 |
| Amount realised ... | ... | ... | ... | 5 00 |

Description: late Inspector. Address: No. 1,662, Teluk Kurau. Date of Receiving and Adjudication Orders: 30th July, 1920. Date of Order for Summary Administration: 7th August, 1920. Proofs lodged nil.

The bankrupt was ordered to pay \$5 per month to the Official Assignee for the benefit of his creditors.

(28) *Re* SYED ABDULLAH BIN MOHAMED AL AIDROOS. (No. 63 of 1920):—

| | \$ | c. |
|------------------------|-----|----|
| Amount realised | 869 | 03 |

Description: Trader. Address: No. 80, Arab Street. Date of Receiving and Adjudication Orders: 30th July, 1920. Date of Order for Summary Administration: 17th August, 1920. Proofs lodged nil.

No Statement of Affairs was filed as the bankrupt disappeared before the date of the Receiving Order.

(29) *Re* JOSEPH MARIE MAURICE PHILLIPS (No. 95 of 1920):—

| | \$ | c. |
|---------------------------------------|-------|----|
| Liabilities expected to rank | 5,087 | 45 |
| Assets estimated by the debtor | 273 | 75 |
| Amount realised | 70 | 00 |

Description: Clerk. Address: No. 1, Race Course Lane. Date of Receiving and Adjudication Orders: 3rd August, 1920. Date of Order for Summary Administration: 13th August, 1920. Proofs lodged \$5,160.21.

The bankrupt was ordered by the Court to pay \$35 per month to the Official Assignee for the benefit of his creditors.

(30) *Re* NAM PHUAN KONGSI (No. 82 of 1920):—

| | \$ | c. |
|--|-------|----|
| Liabilities expected to rank | 4,019 | 50 |
| Assets estimated by the debtors | 1,500 | 00 |
| Amount realised | Nil. | |

Description: Traders. Address: Bukit Timah Road. Date of Receiving Order and of Adjudication Order against WONG FOOK SENG, HO AH BEE and HO AH WAN: 20th August, 1920. Date of Order for Summary Administration: 28th December, 1920. Proofs lodged \$730.20.

Separate estate of ANG HOCK SENG:—

| | \$ | c. |
|---------------------------------------|------|----|
| Liabilities expected to rank | 773 | 00 |
| Assets estimated by the debtor | 25 | 00 |
| Amount realised | Nil. | |

(31) *Re* LAM LOI HEE of Chop "GUAN HIN" (No. 94 of 1920):—

| | \$ | c. |
|-------------------------------------|--------|----|
| Liabilities expected to rank | 66,383 | 25 |
| Assets estimated | 6,500 | 00 |
| Amount realised | 8,254 | 75 |

Description: Trader. Address: No. 612, North Bridge Road. Date of Receiving and Adjudication Orders: 20th August, 1920. Proofs lodged \$53,069.11.

The Statement of Affairs was prepared by the staff of the Bankruptcy Office. The debtor disappeared before the date of the Receiving Order.

(32) *Re* LIM HONG TECK (No. 72 of 1920):—

| | \$ | c. |
|---------------------------------------|-------|----|
| Liabilities expected to rank | 735 | 58 |
| Assets estimated by the debtor | 2,000 | 00 |
| Amount realised | 20 | 00 |

Description: Clerk. Address: No. 1, Malacca Street. Date of Receiving Adjudication Orders: 20th August, 1920. Date of Order for Summary Administration: 30th August, 1920. Proofs lodged \$307.33.

The bankrupt was ordered to pay \$10 per mensem to the Official Assignee for the benefit of his creditors.

(33) *Re* F. DE SOUZA (No. 73 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 2,894 | 95 |
| Assets estimated by the debtor ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | Nil. | |

Description: Clerk. Address: No. 59, Selegie Road. Date of Receiving and Adjudication Orders: 27th August, 1920. Date of Order for Summary Administration: 6th September, 1920. Proofs lodged \$2,318.95.

(34) *Re* BERTIE PHILLIPS DENHAM (No. 111 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 8,146 | 05 |
| Assets estimated by the debtor ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | Nil. | |

Description: Assistant. Address: Tanah Merah Besar. Date of Receiving and Adjudication Orders: 27th August, 1920. Date of Order for Summary Administration: 3rd September, 1920. Proofs lodged \$2,412.32.

The Bankrupt's Public Examination was dispensed with owing to his ill-health.

(35) *Re* YAP BOON CHIT (No. 75 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|--------|----|
| Liabilities expected to rank ... | ... | ... | 2,388 | 34 |
| Assets estimated by the debtor ... | ... | ... | 11,500 | 00 |
| Amount realised ... | ... | ... | Nil. | |

Description: Trader. Address: No. 42, Cross Street. Date of Receiving Order: 20th August, 1920. Proofs lodged nil.

(36) *Re* LEE LONG (No. 92 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 1,060 | 00 |
| Assets estimated by the debtor ... | ... | ... | 300 | 00 |
| Amount realised ... | ... | ... | Nil. | |

Description: Trader. Address: No. 41, China Street. Date of Receiving and Adjudication Orders 24th September, 1920. Date of Order for Summary Administration: 27th October, 1920. Proofs lodged \$682.57.

(37) *Re* SIN HUAT & COMPANY (No. 102 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|--------|----|
| Liabilities expected to rank ... | ... | ... | 75,746 | 15 |
| Assets estimated by the debtor ... | ... | ... | 10,336 | 24 |
| Amount realised ... | ... | ... | 190 | 65 |

Description: Trader. Address: No. 245, Beach Road. Date of Receiving Order and of Adjudication Order against ONG SECK LOON: 24th September, 1920. Proofs lodged \$105,540.93.

(38) *Re F. WEIDING* (No. 99 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|--------|----|
| Liabilities expected to rank ... | ... | ... | 20,440 | 56 |
| Assets estimated by the debtor ... | ... | ... | 25,000 | 00 |
| Amount realised ... | ... | ... | Nil. | |

Description: Manager. Address: No. 35, Crescent, Sea View. Date of Receiving Order: 24th September, 1920 and Adjudication Order: 16th October, 1920. Proofs lodged \$22,524.58.

(39) *Re YEO HOCK LENG* (No. 129 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|------|----|
| Liabilities expected to rank ... | ... | ... | 861 | 00 |
| Assets estimated by the debtor ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | 5 | 00 |

Description: Clerk. Address: No. 11, Killiney Road. Date of Receiving and Adjudication Orders: 2nd October, 1920. Date of Order for Summary Administration: 8th October, 1920. Proofs lodged \$195.25.

The bankrupt was ordered to pay \$5 per mensem to the Official Assignee for the benefit of his creditors.

(40) *Re Chop CHIN NAM* (No. 126 of 1920):—

| | | | \$ | c. |
|---------------------|-----|-----|-------|----|
| Amount realised ... | ... | ... | 5,095 | 50 |

Description: Traders. Address: Nos. 23 and 24, High Street. Date of Receiving Order: 26th November, 1920.

The Receiving Order has since been rescinded on the ground that it was an unregistered Company composed of more than 20 partners.

(41) *Re Chop TAN CHOON LEE and Chop TAN GUAN CHUA* (No. 140 of 1920):—

| | | | \$ | c. |
|------------------------------------|-----|-----|---------|----|
| Liabilities expected to rank ... | ... | ... | 246,904 | 91 |
| Assets estimated by the debtor ... | ... | ... | 52,191 | 29 |
| Amount realised ... | ... | ... | 29,909 | 79 |

Description: Trader. Address: Nos. 39 and 45, North Canal Road. Date of Receiving Order and of Adjudication Order against TAN SU CHENG: 9th October, 1920. Proofs lodged \$134,151.33.

(42) *Re Chop GUAN EK HONG* (No. 100 of 1920):—

| | | | \$ | c. |
|---------------------|-----|-----|-------|----|
| Amount realised ... | ... | ... | 1,983 | 83 |

Description: Traders. Address: No. 543, North Bridge Road. Date of Receiving Order and of Adjudication Order against KOH TENG POH: 8th October, 1920. Date of Order for Summary Administration: 19th October, 1920. Proofs lodged \$10,948.23.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

(43) *Re Chop HENG SOON SENG* (No. 120 of 1920):—

| | | | \$ | c. |
|-------------------------------------|-----|-----|---------|----|
| Liabilities expected to rank ... | ... | ... | 140,632 | 67 |
| Assets estimated by the debtors ... | ... | ... | 13,223 | 30 |
| Amount realised ... | ... | ... | 10,348 | 51 |

Description: Traders. Address: No. 3, North Canal Road. Date of Receiving Order: 5th October, 1920, and of Adjudication Order against TAN PENG LOK *alias* TAN LOK HAH, TAN KIAM JOO and TAN NGIAP SENG: 15th October, 1920. Proofs lodged \$108,868.95.

Separate Estate of TAN PENG LOK:—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 472 | 50 |
| Assets estimated by the debtor | ... | ... | 25 | 00 |
| Amount realised | ... | ... | Nil. | |

Separate Estate of TAN KIAN JOO:—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,274 | 88 |
| Assets estimated by the debtor | ... | ... | 1,000 | 00 |
| Amount realised | ... | ... | Nil. | |

Separate Estate of TAN NGIAP SENG:—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 600 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

(44) *Re* MOHMAED BIN ABDULLAH (No. 97 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 275 | 50 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Bandsman. Address: No. 7, Tiverton Lane. Date of Receiving and Adjudication Orders: 15th October, 1920. Date of Order for Summary Administration: 27th October, 1920. Proofs lodged \$275.50.

(45) *Re* K. S. KOCHU PILLAY (No. 143 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 2,564 | 00 |
| Assets estimated by the debtor | ... | ... | 11,000 | 00 |
| Amount realised | ... | ... | 9 | 72 |

Description: Contractor. Address: No. 334, Tanjong Pagar Road. Date of Receiving and Adjudication Orders: 22nd October, 1920. Proofs lodged \$1,538.93.

(46) *Re* LINDSAY & COMPANY (No. 125 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,757 | 73 |
| Assets estimated by the debtor | ... | ... | 75 | 00 |
| Amount realised | ... | ... | 47 | 70 |

Description: Merchant. Address: No. 29-2, Raffles Place. Date of Receiving Order: 22nd October, 1920, and of Adjudication Order against RICHARD WILLIAM KNOX CHALONER LINDSEY or LINDSAY: 29th October, 1920. Date of Order for Summary Administration: 19th November, 1920. Proofs lodged \$2,284.40.

(47) *Re* LOW HOW KIM & COMPANY (No. 148 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-----------|----|
| Liabilities expected to rank | ... | ... | 2,581,054 | 03 |
| Assets estimated by the debtor | ... | ... | 706,162 | 41 |
| Amount realised | ... | ... | 11,867 | 60 |

Description: Rubber Merchant. Address: No. 15, South Canal Road.
Date of Receiving Order: 29th October, 1920. Proofs lodged \$2,519,400.63.

(48) *Re* OH CHEOW YAM (No. 154 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 12,505 | 23 |
| Assets estimated by the debtor | ... | ... | 6,800 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Clerk. Address: No. 93, Tanglin Road. Date of Receiving and Adjudication Orders: 12th November, 1920. Proofs lodged \$11,225.67.

(49) *Re* SEOW ENG CHOO (No. 88 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 11,185 | 00 |
| Assets estimated by the debtor | ... | ... | 906 | 26 |
| Amount realised | ... | ... | 906 | 16 |

Description: Trader. Address: No. 5-A, Malacca Street. Date of Receiving and Adjudication Orders: 12th November, 1920. Date of Order for Summary Administration: 20th December, 1920. Proofs lodged \$8,643.53.

(50) *Re* A. R. BAKER (No. 114 of 1920):—

| | | | |
|-----------------|-----|-----|------|
| Amount realised | ... | ... | Nil. |
|-----------------|-----|-----|------|

Description: Engineer. Address: No. 1, Trafalgar Street. Date of Receiving and Adjudication Orders: 26th November, 1920. Date of Order for Summary Administration: 20th December, 1920. Proofs lodged nil.

The bankrupt absconded and no Statement of Affairs has therefore been prepared.

(51) *Re* GOH PENG ENG (No. 132 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 200 | 00 |
| Assets estimated by the debtor | ... | ... | 100 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Contractor. Address: No. 1, Calcutta Road. Date of Receiving and Adjudication Orders: 12th November, 1920.

(52) *Re* SYLVESTER STEPHEN BELL (No. 166 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,650 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Smelter. Address: Pulo Brani Smelting Works. Date of Receiving and Adjudication Orders: 1st December, 1920. Date of Order for Summary Administration: 20th December, 1920. Proofs lodged \$2,980.00.

(53) *Re* A. M. EUSOOF (No. 132 of 1920):—

| | | | | | |
|---------------------|-----|-----|-----|-----|----|
| | | | | \$ | c. |
| Amount realised ... | ... | ... | ... | 832 | 07 |

Description: Merchant. Address: No. 170, Cross Street. Date of Receiving and Adjudication Orders: 3rd December, 1920. Date of Order for Summary Administration: 1st February, 1921. Proofs lodged \$1,699.73.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

(54) *Re* Chop KWONG SANG CHOY (No. 156 of 1920):—

| | | | | | |
|---------------------|-----|-----|-----|------|----|
| | | | | \$ | c. |
| Amount realised ... | ... | ... | ... | Nil. | |

Description: Traders. Address: No. 9, Smith Street. Date of Receiving and Adjudication Orders: 3rd December, 1920. Date of Order for Summary Administration: 7th February, 1921. Proofs lodged \$294.62.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

(55) *Re* TAN TECK KOON (No. 176 of 1920):—

| | | | | | |
|------------------------------------|-----|-----|-----|------|----|
| | | | | \$ | c. |
| Liabilities expected to rank ... | ... | ... | ... | 592 | 25 |
| Assets estimated by the debtor ... | ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | ... | Nil. | |

Description: Shipping Clerk. Address: No. 36, Lorong 14, Gaylang. Date of Receiving and Adjudication Orders: 13th December, 1920. Date of Order for Summary Administration 20th December, 1920. Proofs lodged \$58.05.

(56) *Re* WILFRED DE ROZARIO (No. 181 of 1920):—

| | | | | | |
|------------------------------------|-----|-----|-----|-------|----|
| | | | | \$ | c. |
| Liabilities expected to rank ... | ... | ... | ... | 1,331 | 50 |
| Assets estimated by the debtor ... | ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | ... | Nil. | |

Description: No occupation. Address: No. 15, Race Course Road. Date of Receiving and Adjudication Orders: 22nd December, 1920. Date of Order for Summary Administration 17th January, 1921. Proofs lodged nil.

Administration Order (Section 113).

Re The Estate of CHEAH TIONG LAM otherwise called CHEAH LAM, deceased (No. 116 of 1920).

| | | | | | |
|----------------------------------|-----|-----|-----|---------|----|
| | | | | \$ | c. |
| Liabilities expected to rank ... | ... | ... | ... | 131,770 | 76 |
| Assets estimated ... | ... | ... | ... | 86,663 | 65 |
| Amount realised ... | ... | ... | ... | 45,561 | 35 |

Description: Building Contractor. Address: No. 15, Kelantan Road. Date of Order for Administration: 8th October, 1920. Proofs lodged \$73,895.52.

Administration Orders (Section 99).

(1) *Re* RAJAH BIN MERHABAN (No. A. O. 1 of 1920):—

| | | | | | |
|------------------------------------|-----|-----|-----|------|----|
| | | | | \$ | c. |
| Liabilities expected to rank ... | ... | ... | ... | 314 | 50 |
| Assets estimated by the debtor ... | ... | ... | ... | Nil. | |

Description: Registration Clerk. Order made: 13th January, 1920, by the District Court. Ordered to pay \$12 monthly to the Official Assignee.

(2) *Re B. K. SAMY* (No. A. O. 2 of 1920):—

| | | | \$ | c. |
|---------------------------------|-----|-----|------|----|
| Liabilities expected to rank... | ... | ... | 379 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |

Description: Overseer. Order made: 26th October, 1920, by the District Court. Ordered to pay \$10 monthly to the Official Assignee.

APPENDIX C.

Receiving Orders.

(1) *Re Chop HONG KI* (No. 17 of 1919) Creditor's petition.

| | | | \$ | c. |
|----------------------------------|-----|-----|-----|----|
| Liabilities expected to rank ... | ... | ... | 439 | 32 |
| Assets | ... | ... | 331 | 10 |
| Amount realised ... | ... | ... | 331 | 10 |

Description: Traders. Address: No. 36, Bridge Street, Penang. Date of Receiving Order and Adjudication Order: 5th January, 1920; Statement of Affairs not filed. Debtor absconded. A warrant issued for his arrest has not been executed. Proofs lodged \$439.32.

(2) *Re T. SAKUTA TRADING* under the style of "Japanese Dispensary" (No. 11 of 1919) Creditor's petition.

| | | | \$ | c. |
|----------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 5,361 | 23 |
| Assets | ... | ... | 563 | 60 |
| Amount realised ... | ... | ... | 563 | 60 |

Description: Trader. Address: No. 393, Chulia Street, Penang. Date of Receiving and Adjudication Orders: 10th February, 1920. Statement of Affairs not filed. Debtor absconded. A warrant issued for his arrest has not been executed. Proofs lodged \$5,361.23.

(3) *Re KHOO SENG KEE* (No. 4 of 1920)—Creditor's petition.

| | | | \$ | c. |
|----------------------------------|-----|-----|----------|----|
| Liabilities expected to rank ... | ... | ... | 1,704.95 | |
| Assets | ... | ... | Nil. | |
| Amount realised ... | ... | ... | Nil. | |

Description: Bill Collector. Address: No. 12, Fish Lane, Penang. Date of Receiving Order and Adjudication Order: 12th April, 1920. Statement of Affairs filed 16th April, 1920. Proofs lodged \$1,704.95. An offer of \$300 in full settlement made by the bankrupt's aunt was accepted by the petitioner, the only creditor in this estate. Receiving Order rescinded and Adjudication Order annulled on 25th June, 1920, on the ground that the debtor ought not to have been adjudged bankrupt, there being a single creditor and no assets.

(4) *Re GAN TIONG TEIK* (No. 15 of 1920)—Creditor's petition.

| | | | \$ | c. |
|----------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 2,500 | 00 |
| Assets | ... | ... | Nil. | |
| Amount realised ... | ... | ... | Nil. | |

Description: Prospector. Address: c/o No. 2, Arratoon Road, Penang. Date of Receiving Order and Adjudication Order: 1st November, 1920. Statement of Affairs filed on 17th November, 1920. Proofs lodged \$2,595.20. This bankrupt was granted permission to leave the Colony on entering into a bond with satisfactory sureties to pay \$30 a month and to return whenever called on to do so. The monthly payments have been punctually made.

(5) *Re Chop Foo ON* (No. 20 of 1920) Creditor's petition:—

| | | | \$ | c. |
|----------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 1,330 | 00 |
| Assets ... | ... | ... | 238 | 00 |
| Amount realised ... | ... | ... | 238 | 00 |

Description: Traders. Address: No. 201, Kimberley Street, Penang. Date of Receiving Order and Adjudication Order: 22nd November, 1920. Statement of Affairs not filed. Debtors absconded. Proofs lodged \$1,330. The hearing of an application for warrant for the arrest of CHAN HONG, a partner, was pending at the close of the year.

(6) *Re TAN BOON PHANG of Chop ENG HONG LEE* (No. 24 of 1920) Creditor's petition:—

| | | | \$ | c. |
|----------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 9,546 | 94 |
| Assets ... | ... | ... | Nil. | |
| Amount realised ... | ... | ... | Nil. | |

Description: Trader. Address: No. 153, Penang Road, Penang. Date of Receiving Order and Adjudication Order: 13th December, 1920. Statement of Affairs not filed. Debtor absconded.

(7) *Re THAM HAP* trading under the style of *Chop KWANG HAP KEE* (No. 25 of 1920) Creditor's petition:—

| | | | \$ | c. |
|----------------------------------|-----|-----|--------|----|
| Liabilities expected to rank ... | ... | ... | 19,525 | 50 |
| Assets ... | ... | ... | 3,475 | 00 |
| Amount realised ... | ... | ... | 1,010 | 95 |

Description: Trader. Address: 52, Campbell Street, Penang. Date of Receiving Order and Adjudication Order: 13th December, 1920. Statement of Affairs filed on 10th January, 1921. Proofs lodged \$4,936.16. This debtor has been subsequently summarily committed for one month under section 170A (c) for having contracted debts without any reasonable expectation of being able to pay.

(8) *Re LI THEAN HOCK* trading under the style of *Chop THEAN HOCK* (No. 27 of 1920) Creditor's petition:—

| | | | \$ | c. |
|----------------------------------|-----|-----|-------|----|
| Liabilities expected to rank ... | ... | ... | 1,267 | 80 |
| Assets ... | ... | ... | 11 | 00 |
| Amount realised ... | ... | ... | 11 | 00 |

Description: Liquor shop licensee. Address: No. 107, Tek Soon Street, Penang. Date of Receiving Order and Adjudication Order: 13th December, 1920. Statement of Affairs not filed. Debtor absconded. A warrant for his arrest has been applied for. Proofs lodged \$1,267.80.

(9) *Re KHOO HUN TEE* trading under the style of *Chop TEK SENG* (No. 18 of 1920) -Creditor's petition:—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,254 | 88 |
| Assets | ... | ... | 950 | 85 |
| Amount realised | ... | ... | 950 | 85 |

Description: Trader. Address: No. 80, Prangin Road, Penang. Date of Receiving Order and Adjudication Order: 18th October, 1920. Statement of Affairs not filed. Debtor absconded. A warrant for his arrest has been applied for. Proofs lodged \$6,254.88.

(10) *Re LEE SENG* of *Chop SENG HOCK GUAN* (No. 26 of 1920)—

Creditor's petition:—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,183 | 35 |
| Assets | ... | ... | 3,729 | 00 |
| Amount realised | ... | ... | 609 | 50 |

Description: Coffin dealer. Address: No. 188, Carnarvon Street, Penang. Date of Receiving Order and Adjudication Order: 29th December, 1920. Statement of Affairs filed. Proofs lodged \$2,486.50. Bankruptcy largely due to advances made to timber merchants outside the jurisdiction.

Malacca.

(1) *Re CHIA AH MOI* (No. 1 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,530 | 00 |
| Assets estimated by the debtor | ... | ... | 1,078 | 68 |
| Amount realised | ... | ... | 695 | 00 |

Description: Pork Seller. Address: Koon Cheng Bridge. Date of Receiving and Adjudication Orders: 1st May, 1920. Date of Order for Summary Administration: 10th June, 1921. Proofs lodged \$1,096.64.

(2) *Re TIOW SOO* otherwise called *WEE TIOW SOO* (No. 4 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,656 | 57 |
| Assets estimated by the debtor | ... | ... | 2,721 | 15 |
| Amount realised | ... | ... | 1,871 | 37 |

Description: Trader. Address: No. 35, Jonker Street. Date of Receiving and Adjudication Orders: 22nd October, 1920. Proofs lodged \$2,000.

(3) *Re M. SHAIK DAWOOD O. ISMAIL & Co.* (No. 5 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,365 | 70 |
| Assets estimated by the debtor | ... | ... | 971 | 84 |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 938, Alor Gajah. Date of Receiving Order and of Adjudication Order against OONA ISMAIL: 22nd October, 1920. Date of Order for Summary Administration: 14th January, 1921. Proofs lodged nil.

LAND OFFICE, SINGAPORE.

LAND OFFICE,
SINGAPORE, 10th March, 1922.

SIR,—I have the honour to submit the Annual Report on the working of the Singapore Land Office during 1921.

2. The total revenue collected (exclusive of revenue from miscellaneous collections of which particulars are given in paragraph 14) amounted to \$424,805 as compared with \$2,120,297 in 1920 and \$421,502 in 1919.

3. The following comparative table shows the totals of the various sub-heads of revenue:—

| HEADS OF REVENUE. | Estimated 1921. | Actual 1921. | ACTUAL COMPARED WITH ESTIMATES. | | Actual 1920. | 1921 COMPARED WITH 1920. | |
|---|--------------------|-----------------|------------------------------------|----------|-----------------|-----------------------------|-----------|
| | | | Excess. | Deficit. | | Excess. | Deficit. |
| <i>Land Revenue.</i> | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Land Rents (1) Quit Rents ... | 145,000 | 170,823 | 25,823 | ... | 157,521 | 13,302 | ... |
| (2) Temporary Rents ... | 45,000 | 64,333 | 19,333 | ... | 57,869 | 6,464 | ... |
| Beach Rents ... | 16,000 | 17,940 | 1,940 | ... | 17,597 | 343 | ... |
| Grazing Lands, etc. ... | 75 | 61 | ... | 14 | 121 | ... | 60 |
| Licences (1) Coral, Granite, etc. ... | 1,500 | 7,923 | 6,423 | ... | 3,640 | 4,283 | ... |
| (2) Rubber ... | 50,000 | 49,482 | ... | 518 | 69,903 | ... | 20,421 |
| Fees (1) On Issue of Notices ... | 600 | 874 | 274 | ... | 1,057 | ... | 183 |
| (2) Searches and Registrations ... | 500 | 369 | ... | 131 | 529 | ... | 160 |
| (3) Registration and Preparation of Grants ... | 250 | 694 | 444 | ... | 500 | 194 | ... |
| Expenses of Preliminary Survey ... | 20 | 25 | 5 | ... | 15 | 10 | ... |
| Miscellaneous ... | 600 | 2,035 | 1,435 | ... | 1,706 | 329 | ... |
| Fees of Office, Miscellaneous ... | 50 | 2,651 | 2,601 | ... | 2,505 | 146 | ... |
| <i>Reimbursements.</i> | | | | | | | |
| Survey Fees ... | 8,000 | 15,567 | 7,567 | ... | 10,770 | 4,797 | ... |
| Sale of Maps and Plans ... | 1,500 | 1,659 | 159 | ... | 2,721 | ... | 1,062 |
| Sale of Boundary Stones ... | 700 | 930 | 230 | ... | 930 | ... | ... |
| <i>Land Sales.</i> | | | | | | | |
| Premium on Grants ... | 10,000 | 73,689 | 63,689 | ... | 27,813 | 45,876 | ... |
| Premium on Special Sale ... | 750 | 15,750 | 15,000 | ... | 1,765,100 | ... | 1,749,350 |
| | 280,545 | 424,805 | 144,923 | 663 | 2,120,297 | 75,744 | 1,771,236 |

4. The increase of a little over \$20,000 under Land and Beach Rents accompanied by a fall in fees for Notices and Distraints was one of the most satisfactory features of a quiet year.

5. The revenue from Coral and Granite was considerably increased by the payment of royalty on granite removed from the 8th mile Bukit Timah Quarry by the Federated Malay States Railway Department, and by the issue of a licence to the Ho Hong Cement Works for the removal of coral from a large area near Pulau Sudong.

6. A large number of licences to purchase rubber were not renewed in 1921 owing to the state of the rubber industry, and there was a substantial falling off in the revenue from this source.

7. The Survey Department was able to dispose of most of the accumulation of arrears from former years and there was increased revenue from Survey Fees. Unfortunately many of the surveys were completed at a time when applicants for land were not in a position to pay up all dues entitling them to receive their grants.

There was little demand for land and most of the revenue from Land Sales represented payments on account of sales in previous years.

Agricultural leases for an area of about 150 acres at Pulau Tekong were disposed of by auction at the beginning of March and about the same amount of land at Bajau and Pengkang was disposed of in October, the cultivation of rubber being prohibited in the second case. There was only one small sale of Crown Land in town.

8. Eighty-five Statutory Grants were issued of which four were grants issued on the conversion of 99-year leases and fifty-four on the sub-division of existing titles.

9. No references were made to the Collector in connection with Municipal Back Lane Schemes.

10. A considerable amount of work was done for the Federated Malay States Railway Department in the course of the year. The details of the various schemes for the improvement of the Railway between Tank Road and Woodlands were settled and most of the schemes were approved by the Legislative Council. The land required between Bukit Timah and Woodlands was acquired and several acquisitions were carried out near Newton to complete a scheme for the provision of railway quarters. Action under the other schemes was suspended.

A few small acquisitions were carried out on behalf of Government, the most troublesome of which was the acquisition of about half an acre of the Chinese burial ground at Orchard Road for the extension of Orchard Road Police Station. There were several references to Court but no case was contested.

11. The question of the compensation payable on the resumption of certain leases at Mandai was settled after lengthy negotiations and the Municipal Commissioners made preparations for the working of the quarries on the land on a large scale.

12. A considerable amount of valuation work was done for the Commissioner of Stamps as in former years.

13. The outdoor staff of the office was occupied for about four months at the beginning of the year in connection with the Census and has been engaged for a similar period on a census of rubber stocks and rubber lands. It is to be hoped that more time in future will be available for their ordinary duties.

14. Miscellaneous collections made in the office consisted of:—

| | \$ | c. | | \$ | c. |
|------------------------------|------------|----|---------|------------|----|
| Rural Board Collections ... | 134,239.65 | | against | 225,935.61 | |
| Forest Revenue ... | 13,687.97 | | „ | 12,978.59 | „ |
| Rochore Canal Deposits ... | 2,650.58 | | „ | 2,015.24 | „ |
| Agricultural Deposits ... | 350.00 | | „ | 2,382.50 | „ |
| Education Board Deposits ... | 4,860.00 | | „ | 360.00 | „ |
| Back-lane Deposits ... | 54,716.93 | | „ | 4,004.00 | „ |

Rural Board collections suffered considerably as a result of the Rubber slump which rendered it inexpedient to enforce the collection of assessment on rubber land. Some compensation was however obtained from an increase of \$12,000 under House Assessment, \$10,000 under the tax on Vehicles and \$3,700 under Petroleum Licences.

There was again considerable demand for firewood which led to high prices being paid for mangrove coupes and to a large number of permits being taken out for firewood extraction.

The total revenue from all sources amounted to \$635,310.13.

15. No progress was made with the publication of maps under the Boundaries Ordinance, 1884 (now Ordinance 31), the maps of 22 Mukims remaining unpublished.

Expenditure.

16. The expenditure of the year is compared with that of 1920:—

| | 1920 | 1921. |
|------------------------------------|------------------|------------------|
| | \$ c. | \$ c. |
| Salaries ... | 30,081.33 | 34,546.66 |
| Travelling and Personal Allowances | 3,291.40 | 3,822.99 |
| Allowances to Penghulus ... | 131.25 | 50.00 |
| Miscellaneous ... | 575.86 | 700.00 |
| | <u>34,079.84</u> | <u>39,219.65</u> |

I have, etc.,

J. LORNIE,

Collector of Land Revenue.

[No. 2196/22.]

REPORT ON THE WORKING OF THE REGISTRATION OF DEEDS ORDINANCE IN SINGAPORE.

SINGAPORE.

The number of deeds presented for registration was 4,571 compared with 6,714 in 1920 and 6,561 in 1919 and the number of deeds finally registered 4,631 compared with 6,835 in 1920 and 5,915 in 1919. A falling off of over 1,500 in the number of Conveyances and Assignments and of nearly 500 in the number of Reconveyances accounts for most of the difference and effectively indicates the change in the land market.

2. The deeds finally registered were classified as follows:—

| | | | |
|---|-----|-----|-------|
| Conveyances and Assignments | ... | ... | 1,726 |
| Mortgages | ... | ... | 1,536 |
| Transfer of Mortgages | ... | ... | 107 |
| Reconveyances | ... | ... | 817 |
| Memoranda of Charge or Lien | ... | ... | 12 |
| Affidavits of Discharge | ... | ... | 6 |
| Leases | ... | ... | 103 |
| Marriage Settlement | ... | ... | 1 |
| Memorials of Letters of Administration | ... | ... | 125 |
| Memorials of Probate | ... | ... | 60 |
| Private Ordinance | ... | ... | 1 |
| Certificate of Appointment of Trustee in Bankruptcy | ... | ... | 3 |
| Orders of Court | ... | ... | 127 |
| Caveats | ... | ... | 7 |
| Total | | | 4,631 |

3. The following table gives details of the Revenue collected with the corresponding figures for 1920:—

| | | 1921. | 1920. |
|-------|---|-------------|-----------|
| | | \$ cts. | \$ cts. |
| 1. | Fees for registration of instruments executed after 1st July, 1887 | 17,129 25. | 22,044 75 |
| 2. | Fees for registration of instruments executed prior to 1st July, 1887 | 40 00 | 160 00 |
| 3. | Fines for late registration | 751 00 | 2,496 00 |
| 4. | Fees for acknowledgment of execution | 1 00 | 3 00 |
| 5. | Fees for searches, not official | 974 50 | 1,106 00 |
| 6. | Fees for official searches | 22 00 | 13 50 |
| 7. | Fees for uncertified copies of documents | 74 00 | 123 00 |
| 8. | Fees for certified copies of documents | 625 00 | 771 50 |
| 9. | Fees for preparation of Memorial of Probate or Administration | 14 00 | 17 00 |
| 10. | Fees for preparation of copies of deeds for enrolment | Nil. | Nil. |
| 11. | Fees for late removal of deeds after registration | 258 00 | 233 00 |
| 12. | Postage | 0 40 | 0 20 |
| TOTAL | | \$19,889 15 | 26,967 95 |

During the year it was decided to abolish the fine for late registration which had been in force since the introduction of the Registration of Deeds Ordinance of 1886.

4. A falling off in the number of deeds requiring surveys from 915 to 498 was the natural accompaniment of the falling off in the number of Conveyances and Assignments presented for registration. Better progress was also made by the Survey Office and by the end of the year the position in the Registry had considerably improved. In April a short Ordinance No. 4 of 1921 was passed which extended indefinitely the period of provisional registration in the case of deeds requiring survey.

REGISTRY OF DEEDS,
SINGAPORE, 6th March, 1921. [No. 2019/22.]

J. LORNIE,
Registrar of Deeds.

REPORT ON LABUAN.

Finance.

SIR,—I have the honour to submit a report on the Settlement of Labuan for the year 1921.

Revenue (exclusive of opium) reached the figure of \$32,081.37, as against an estimated revenue of \$32,253, showing a deficit of \$171.63.

Expenditure (including pensions) amounted to \$130,680.15, as against an estimate of \$136,956.00, showing a saving of \$6,275.85.

Compared with 1920, Revenue showed a decrease of \$14,244.78.

A statement of Revenue and Expenditure is attached.

Trade.

The total volume of trade in 1921 was \$3,746,989, a decrease of \$1,125,551 on 1920.

The total value of Imports in 1921 was \$1,761,665, as against \$2,410,295 in 1920; and the total value of Exports was \$1,985,324, as against \$2,462,245 in 1920. Only small quantities of Sago, Flour, Para Rubber and Jelutong were imported from British North Borneo, Brunei and Sarawak in 1921. Considering all the imports the prices have remained fairly high but the quantities have been less.

The following tables show the variation in Import trade from neighbouring territories and in Export trade to those territories during the last 3 years:—

Imports.

| | | <i>British North Borneo.</i> | <i>Brunei.</i> | <i>Sarawak.</i> |
|------|-----|------------------------------|----------------|-----------------|
| | | — \$ | — \$ | — \$ |
| 1919 | ... | 246,073 | 759,567 | 135,282 |
| 1920 | ... | 301,155 | 917,629 | 174,432 |
| 1921 | ... | 85,822 | 527,873 | 40,862 |

Exports.

| | | <i>British North Borneo.</i> | <i>Brunei.</i> | <i>Sarawak.</i> |
|------|--|------------------------------|----------------|-----------------|
| | | — \$ | — \$ | — \$ |
| 1919 | | 205,116 | 315,978 | 75,729 |
| 1920 | | 229,577 | 585,306 | 345,149 |
| 1921 | | 207,978 | 406,308 | 177,879 |

Exports to Singapore were much less in 1921 than in 1920, amounting to \$623,471 in 1921 as against \$909,482 in 1920.

Harbour and Marine.

The number of ships that entered and cleared Victoria Harbour, Labuan, in 1921 was 246 with a total tonnage of 153,436, the figures in 1920 being 250 and 134,872.

The vessels of the Straits Steamship Company, Ltd., maintained the connection between Singapore, Labuan and North Borneo ports throughout the year.

The Government Steam Launch *McArthur* was maintained in good order during the year.

Lighthouses, beacons, buoys, etc., were all efficiently maintained during the year.

Small craft under 50 tons which entered and cleared the port during 1921 had a tonnage of 21,775 as against 21,648 in 1920.

Under section 426 of the Merchant Shipping Ordinance of 1910, the following craft were registered:—

| | | | | |
|---------------|-----|-----|-----|-----|
| Fishing boats | ... | ... | ... | 101 |
| Cargo boats | ... | ... | ... | 37 |

No fees are collected for the registration.

Police.

The strength of the Police Force on 31-12-21 was as follows:—

| | | | | |
|--------------------------|-----|-----|-----|----|
| European Chief Inspector | ... | ... | ... | 1 |
| Sikh Sergeant-major | ... | ... | ... | 1 |
| „ Corporal | ... | ... | ... | 1 |
| Sikh Lance-corporal | ... | ... | ... | 3 |
| „ Constables | ... | ... | ... | 15 |
| Malay Sergeant | ... | ... | ... | 1 |
| „ Corporal | ... | ... | ... | 1 |
| „ Lance-corporal | ... | ... | ... | 2 |
| „ Constables | ... | ... | ... | 18 |
| Malay Detective | ... | ... | ... | 1 |

Recruits are not difficult to obtain. Since 1-1-21 the Brunei Police Force has been distinct from the Labuan Force. The Police School has been closed, the Clerk in charge having become Chief Clerk of the Land Office. The general conduct of both Malay and Sikh contingents has been fair. Health has also been fair with an increase in the number of victims of malaria.

Prisons.

On 1-1-21 there were 6 prisoners and on 31-12-21 13 prisoners. Admission totalled 30, transfers 1 and discharges 22. The conduct and health of the prisoners were good.

Post Office.

The number of articles dealt with was 94,124 as against 83,844 in 1920. The number delivered was 46,727, compared with 39,363 in 1920.

The number of insured letters and parcels posted was 44 with a value of \$19,468.

Three thousand three hundred and sixty-five registered articles were received and 2,209 delivered.

Money order and postal order transactions attained a value of \$43,686.13, against \$64,900.53 in 1920. The number of depositors in the Savings Bank on 31st December, 1921, was 56 as against 45 on 31st December, 1920.

The balance on deposit was \$9,982.93 on 31st December, 1921, against \$8,550.09 on 31st December, 1920.

Hospital and Health.

The number of patients admitted to Hospital during the year was 278, as against 234 in 1920. There were 14 deaths, the mortality thus being 5.98% as against 5.32% in 1920.

Out-patients who were treated numbered 1,115 as against 752 in 1920. In July an Out-patient Department was started in the Town and that fact accounts for the increase in the number of out-patients.

The following table gives the population, births and deaths and birth and death-rates for the last 3 years:—

| <i>Year.</i> | <i>Population.</i> | <i>No. of Births.</i> | <i>No. of deaths.</i> | <i>Birth-rate.</i> | <i>Death-rate.</i> |
|--------------|--------------------|-----------------------|-----------------------|--------------------|--------------------|
| 1919 | 6,922 | 219 | 140 | 31.63 | 20.22 |
| 1920 | 6,970 | 206 | 152 | 29.55 | 21.80 |
| 1921 | 5,909 | 203 | 199 | 34.35 | 33.67 |

The number of births was greatest during the last quarter and the number of deaths greatest during the 3rd quarter.

Of the deaths, malaria accounted for 46 as against 30 in 1920. During the year 69 malaria cases were admitted to hospital as against 60 in 1920, and 173 cases were treated as out-patients as against 172 in 1920. Of the 69 admitted to hospital 17 had been less than 1 month in Labuan, 10 having come over from Brunei and 7 from British North Borneo and Sarawak.

The following table shows the infantile mortality under 1 year of age:—

| <i>Year.</i> | <i>Deaths.</i> | <i>Ratio to total death-rate.</i> | <i>Ratio to total birth-rate.</i> |
|--------------|----------------|-----------------------------------|-----------------------------------|
| 1919 | 29 | 20.71 per cent | 13.24 per cent |
| 1920 | 31 | 20.39 „ | 15.04 „ |
| 1921 | 53 | 26.60 „ | 26.10 „ |

The increase in infantile mortality is most unsatisfactory.

The total rainfall was 3,415.9 millimetres.

Public Works Department.

The total expenditure under all heads of service was \$39,790.08 as against \$27,751.45 in 1920.

The Government Offices underwent extensive repairs and \$9,995 was spent on the Medical Officer's quarters. During the year 8 contracts were entered into and 8 were completed.

Cooly labour was reduced during the year from 65 cents per day to 50 cents per day.

Education.

The English School had an attendance of 50 boys on the opening after the Christmas holidays on 17-1-21. On 16-12-21 the attendance was 61 boys. These boys belonged to the following races:—

| | | | | | |
|------------|-----|-----|-----|-----|----|
| Chinese | ... | ... | ... | ... | 42 |
| Malay | ... | ... | ... | ... | 10 |
| Sikh | ... | ... | ... | ... | 6 |
| Eurasian | ... | ... | ... | ... | 1 |
| Phillipino | ... | ... | ... | ... | 1 |
| Tamil ... | ... | ... | ... | .. | 1 |

More pupils could be enrolled if there was increased accommodation. The staff consisted of 1 headmaster and 2 assistants. More assistance is really required to cope with the large number of scholars who have reached various stages of progress.

The Vernacular School had an average attendance of 40 as against 45 in 1920. It is hoped in time to be able to establish another Vernacular School which could be attended by a large number of boys who live too far away to be able to attend the present school in the town.

The Chinese School has done good work again during the year.

The examinations for the various scholarships given by Chinese were held at the end of the year.

Land.

Land Revenue amounted to \$10,076.17 as against \$9,330 in 1920. 221 holdings were demarcated during the year. The land demarcated had an acreage of 841 acres, 2 roods, 6 poles.

The padi harvest was fairly good and better than 1920.

Rural Board.

The receipts amounted to \$10,790.78 and the expenditure to \$13,274.54, the 1920 figures being \$10,651.69 and \$13,103.98.

The roads and markets were maintained. Many of the bridges are in need of repair and strengthening.

Legal.

During the year 157 criminal cases were heard, 151 by the Magistrate and 6 by the District Judge. Civil cases numbered 213.

There were no appeals.

General.

I took over the duties of Acting Resident, Police Magistrate and District Judge on 6-10-21 from Mr. E. ROBERTS. Mr. E. G. GOLDFINCH returned from long leave on 1-1-21 and took over the duties of Harbour Master from Mr. STANLEY.

Dr. DE CRUZ was in charge of the Hospital from 1-1-21 to 7-1-21 when Dr. KYLE acted to the middle of March. Dr. MASON then took charge until 21-8-21 when Dr. CLEVERTON returned from leave. His Excellency the Governor visited the Hospital on 8-6-21.

In the Public Works Department Captain HAUGHTON took over from Mr. ROBERTS on 10-10-21.

Wireless communication between Labuan and Brunei was efficiently maintained during the year.

Two Audit Clerks arrived in the Settlement on 3-2-21 and shared the work of the Labuan and Brunei Audit.

H. J. ELEY,
Acting Resident, Labuan.

[No. 1760/22.]

TABLE A.

Statement of Revenue for the Year 1921.

| Item as per Estimates, 1921. | Amount as per Estimate. | Actual. | Increase. | Decrease. |
|--|-------------------------|-----------|-----------|-----------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| 1. Port, Harbour, Wharf and Light Dues ... | 1,500 00 | 1,821 98 | 321 98 | ... |
| 2. Licence, Excise and Internal Revenue not otherwise classified ... | 15,850 00 | 10,525 47 | ... | 5,324 53 |
| 3. Fees of Court or Office, Payments for Specific Services and Reimbursements in Aid ... | 3,890 00 | 4,915 52 | 1,025 52 | ... |
| 4. Posts and Telegraphs ... | 3,998 00 | 7,838 24 | 3,840 24 | ... |
| 5. Rents on Government Property ... | 5,135 00 | 4,734 41 | ... | 400 59 |
| 6. Interests ... | 60 00 | 89 30 | 29 30 | ... |
| 7. Miscellaneous Receipts ... | 620 00 | 1,733 85 | 1,113 85 | ... |
| 8. Land Sales ... | 1,200 00 | 422 60 | ... | 777 40 |
| Total ... | 32,253 00 | 32,081 37 | 6,330 89 | 6,502 52 |

TABLE B.

Statement of Expenditure for the Year 1921.

| Item as per printed Estimates. | Amount Estimated. | Actual Expenditure. | Savings. | Excess. |
|--------------------------------|-------------------|---------------------|-----------|----------|
| | c. | \$ c. | \$ c. | \$ c. |
| Pensions ... | 7,277 00 | 7,245 81 | 31 19 | ... |
| Colonial Secretary, etc. ... | 5,338 00 | 5,200 47 | 137 53 | ... |
| Land and District Offices ... | 7,696 00 | 7,072 46 | 623 54 | ... |
| Marine ... | 23,851 00 | 23,625 74 | 225 26 | ... |
| Legal ... | 2,258 00 | 2,756 27 | ... | 498 27 |
| Police ... | 26,974 00 | 28,913 70 | ... | 1,939 70 |
| Prisons ... | 2,560 00 | 1,476 06 | 1,083 94 | ... |
| Medical ... | 9,407 00 | 9,236 41 | 170 59 | ... |
| Hospitals and Dispensaries ... | 3,911 00 | 3,970 70 | ... | 59 70 |
| Education ... | 5,260 00 | 4,296 00 | 964 00 | ... |
| Transport ... | 1,500 00 | 3,138 82 | ... | 1,638 82 |
| Miscellaneous Services ... | 900 00 | 755 66 | 144 34 | ... |
| Postal ... | 4,572 00 | 4,349 07 | 222 93 | ... |
| Public Works Department ... | 8,902 00 | 6,621 34 | 2,280 66 | ... |
| " Recurrent Expenditure ... | 6,050 00 | 5,796 88 | 253 12 | ... |
| Public Works Extraordinary ... | 17,500 00 | 14,544 76 | 2,955 24 | ... |
| Audit ... | 3,000 00 | 1,680 00 | 1,320 00 | ... |
| Total .. | 136,956 00 | 130,680 15 | 10,412 34 | 4,136 49 |

STRAITS SETTLEMENTS MEDICAL REPORT.

POPULATION AND HEALTH.

1. The following table gives the estimated population and the Birth and Death rates for the years 1919 and 1920.

| SETTLEMENT. | Estimated mean Population. | | Births No. | | Deaths No. | | Birth Ratio per mille. | | Death Ratio per mille. | |
|--------------------|----------------------------|---------|------------|--------|------------|--------|------------------------|-------|------------------------|-------|
| | 1919. | 1920. | 1919. | 1920. | 1919. | 1920. | 1919. | 1920. | 1919. | 1920. |
| Singapore ... | 380,392 | 391,311 | 10,233 | 10,803 | 12,590 | 13,851 | 26'90 | 27'61 | 33'10 | 35'40 |
| Labuan ... | 6,922 | 6,970 | 219 | 206 | 140 | 152 | 31'63 | 29'55 | 20'22 | 21'80 |
| Penang ... | 152,642 | 154,086 | 4,603 | 4,553 | 6,366 | 5,439 | 30'16 | 29'55 | 41'71 | 35'30 |
| Province Wellesley | 141,115 | 142,710 | 4,361 | 4,391 | 3,533 | 3,928 | 30'90 | 30'77 | 25'04 | 27'52 |
| Dindings ... | 11,982 | 12,712 | 274 | 355 | 358 | 442 | 22'87 | 27'14 | 29'88 | 34'77 |
| Malacca ... | 153,008 | 157,069 | 5,934 | 5,315 | 4,970 | 4,898 | 38'78 | 33'84 | 32'48 | 31'18 |
| Total ... | 846,061 | 864,858 | 25,624 | 25,623 | 27,957 | 28,710 | 30'29 | 29'63 | 33'04 | 33'20 |

The figures for the European population are:—

| SETTLEMENT. | Estimated mean Population. | | Births No. | | Deaths No. | | Birth Ratio per mille. | | Death Ratio per mille. | |
|----------------------|----------------------------|-------|------------|-------|------------|-------|------------------------|-------|------------------------|-------|
| | 1919. | 1920. | 1919. | 1920. | 1919. | 1920. | 1919. | 1920. | 1919. | 1920. |
| Straits Settlements. | 8,929 | 9,151 | 162 | 207 | 97 | 114 | 18'14 | 22'84 | 10'86 | 12'46 |

The population at the last census (1911) was 711,951, and it is estimated at 864,858 for 1920. This is computed by geometrical progression as for normal times on the basis of the census for 1901 and 1911.

2. The total immigrants from China were in:—

| | | | | | | |
|------|-----|-----|-----|-----|-----|---------|
| 1916 | ... | ... | ... | ... | ... | 183,399 |
| 1917 | .. | ... | ... | ... | ... | 155,157 |
| 1918 | ... | ... | ... | ... | ... | 58,421 |
| 1919 | ... | ... | .. | ... | ... | 70,912 |
| 1920 | ... | ... | ... | ... | ... | 156,077 |

Infantile Mortality.

3. The infantile mortality gives a ratio of 194'86 per mille against 212'42 per mille in 1919, and 232'68 per mille in 1918—these figures exclude all children born elsewhere than in the Colony. The highest ratio of infantile mortality, 213'70, was among the Chinese, the Eurasians coming next with 205'98.

European Officers.

4. Table showing the sick, invaliding and the deaths of European officials of all ranks:—

| | 1919. | 1920. |
|---|-------|-------|
| (1) Total number of officials on the Establishment | 421 | 444 |
| (2) Average number resident in the Colony | 295 | 351 |
| (3) Total number on sick list | 184 | 350 |
| (4) Total number of days on sick list ... | 2,171 | 3,031 |
| (5) Total number invalided | 6 | 7 |
| (6) Total deaths | 3 | 3 |
| (7) Total deaths in the Colony | 3 | 3 |
| (8) Average daily number on the sick list ... | 50 | 96 |
| (9) Average number of days on the sick list | 11.80 | 8.65 |
| (10) Percentage of deaths to average number resident | 1.02 | .83 |

5. The following table gives the number of cases of Zymotic Diseases occurring in the Colony during 1919 and 1920, excluding imported cases:—

| SETTLEMENT. | PLAGUE. | | | | CHOLERA. | | | | SMALL-POX. | | | |
|------------------------|---------|---------|--------|---------|----------|---------|--------|---------|------------|---------|--------|---------|
| | 1919. | | 1920 | | 1919. | | 1920. | | 1919. | | 1920. | |
| | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Singapore ... | 11 | 8 | 61 | 55 | 79 | 59 | 34 | 33 | 11 | 3 | 5 | 3 |
| Penang ... | 8 | 8 | ... | ... | 1 | 1 | ... | ... | 398 | 142 | 34 | 22 |
| Province Wellesley ... | ... | ... | ... | ... | 13 | 11 | 3 | ... | 65 | 21 | 6 | 1 |
| Malacca ... | ... | ... | ... | ... | 1 | ... | 21 | 4 | ... | ... | ... | ... |
| Labuan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Dindings ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ... | 60 | 17 |
| Total ... | 19 | 16 | 61 | 55 | 94 | 71 | 58 | 37 | 480 | 166 | 105 | 43 |

Vaccination.

6. During the year there were 30,399 vaccinations: of these 18,205 were successful, 347 failed and 10,411 were not seen. Most of the "not seen" were in the rural parts of Malacca.

Diphtheria.

7. The number of deaths from Diphtheria was 25, compared with 11 in 1919. Of the cases treated in hospitals 5 ended fatally.

Enteric Fever.

8. Enteric Fever was responsible for 103 deaths, the number for 1919 being 94. The number of cases of Enteric Fever treated in the hospitals was 167 with 61 deaths.

Beri-beri.

9. Beri-beri accounted for 1,025 deaths. In 1919 the number was 1,430. It was 1,958 in 1918. Of the total cases treated in hospitals, viz., 363, 43 ended fatally.

The decrease in deaths from Beri-beri in 1920 is coincident with the use of parboiled rice or undermilled rice, supplemented by other articles of diet instead of the polished Siam rice. Now that the latter is again freely obtainable, the Beri-beri rate will go up. It may be said with confidence that rationing has benefited the health of the native races.

10. The total cases of Venereal diseases treated in the hospitals in 1920 were 3,836 with 52 deaths. In 1919 the figures were 3,451 and 77 respectively.

Tuberculosis.

11. The total deaths registered from Phthisis were 3,336, against 3,112 in 1919 and 3,675 in 1918.

Dysentery.

12. Dysentery accounted for 1,085 deaths, as against 1,209 and 1,362 in 1919 and 1918 respectively. Of the cases treated in hospitals, which totalled 1,451, 462 ended fatally, against 1,708 cases with 632 deaths in 1919.

Malaria.

13. Malaria was responsible for 4,690 deaths, compared with 4,843 deaths in 1919 and 4,777 deaths in 1918. The corresponding figures for "Fevers not classified" were 3,165, 2,132 and 6,988 respectively. The excess in 1918 was due to the influenza pandemic.

Malaria admissions to the hospitals were 7,539 with 548 deaths, compared with 6,446 cases and 472 deaths in 1919.

Ankylostomiasis.

14. The total numbers of Ankylostomiasis cases treated in the hospitals of the Colony for the last 5 years are:—

| Year. | | | <i>Remained from pre- vious year.</i> | <i>Admitted during the year.</i> | <i>Total treated.</i> | <i>Deaths.</i> |
|-------|-----|-----|---|--|---------------------------|----------------|
| 1916 | ... | ... | 49 | 1,206 | 1,255 | 214 |
| 1917 | ... | ... | 83 | 1,443 | 1,526 | 268 |
| 1918 | ... | ... | 122 | 1,592 | 1,714 | 385 |
| 1919 | ... | ... | 78 | 1,110 | 1,188 | 241 |
| 1920 | ... | ... | 69 | 1,432 | 1,501 | 312 |

15. Total treated and mortality in all hospitals for the past six years:—

| Year. | | Number treated. | | | Number of Deaths. | | | Percentage of Deaths to Total treated. | | |
|-------|-----|-----------------|----------|--------|-------------------|----------|--------|--|----------|--------|
| | | Europeans. | Natives. | Total. | Europeans. | Natives. | Total. | Europeans. | Natives. | Total. |
| 1915 | ... | 2,305 | 30,916 | 33,221 | 92 | 2,889 | 2,981 | 3'99 | 9'34 | 8'97 |
| 1916 | ... | 1,843 | 32,623 | 35,466 | 82 | 3,289 | 3,371 | 4'45 | 9'78 | 9'50 |
| 1917 | ... | 1,904 | 34,559 | 36,463 | 83 | 4,006 | 4,089 | 4'36 | 11'59 | 11'21 |
| 1918 | ... | 3,197 | 39,836 | 43,033 | 143 | 5,698 | 5,841 | 4'47 | 14'30 | 13'57 |
| 1919 | ... | 2,944 | 37,812 | 40,756 | 139 | 4,602 | 4,741 | 4'72 | 12'17 | 11'69 |
| 1920 | ... | 3,454 | 39,343 | 42,797 | 165 | 4,120 | 4,285 | 4'77 | 10'47 | 10'01 |

Singapore Hospitals.

The total number of patients treated in all Singapore Hospitals was 21,963.

The number of European cases treated in the General Hospital during the year under review was 1,812, against 1,732 in 1919. The natives numbered 5,925. The total deaths were 609 (91 Europeans and 518 natives).

10,826 patients were treated at the Tan Tock Seng Hospital, with 1,306 deaths, the numbers for Europeans being 455 and 19 respectively. The average daily sick was 622.79, compared with 641.65 in 1919. 575 cases were treated at the Kandang Kerbau Hospital with 64 deaths.

The number of patients remaining in the Lunatic Asylum on 1st January, 1920, was 341 and the admissions during the year were 299, making a total treated of 640 patients (42 Europeans and 598 natives) and the daily average inmates 357.

Penang Hospitals.

The total number of patients treated in all Penang Hospitals including Dindings is 12,321, of whom 535 were Europeans and 11,786 natives. Of these 1,168 died (39 Europeans and 1,129 natives). In 1919 the total treated was 12,960, and the total deaths 1,725.

Province Wellesley Hospitals.

On the 1st January, 1920, there remained in the Hospitals in Province Wellesley 124 patients, and during the year 3,148 cases were admitted making a total treated of 3,272—all these were natives. The total deaths were 284. In 1919 the total cases treated were 2,935 with 279 deaths.

Malacca Hospitals.

Four thousand nine hundred and ninety-seven patients were treated in all the Hospitals at Malacca and Jasin during the year under review with a mortality of 611 cases. In 1919 the figures were 4,043 and 536 respectively.

All Hospitals.

The total number of patients treated and the total deaths in the Hospitals of the Colony for some of the more important diseases are shown in the sub-joined statement with the corresponding figures for the four preceding years:—

| Diseases. | 1916. | | 1917. | | 1918. | | 1919. | | 1920. | |
|-----------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | Total treated. | Total Deaths. | Total treated. | Total Deaths. | Total treated. | Total Deaths. | Total treated. | Total Deaths. | Total treated. | Total Deaths. |
| Malarial Fevers ... | 7,584 | 564 | 7,355 | 613 | 7,726 | 766 | 6,446 | 472 | 7,539 | 548 |
| Dysentery ... | 1,230 | 405 | 1,516 | 563 | 2,481 | 739 | 1,708 | 632 | 1,451 | 462 |
| Diarrhoea ... | 447 | 61 | 431 | 28 | 407 | 41 | 420 | 35 | 460 | 23 |
| Beri-beri ... | 755 | 104 | 1,520 | 299 | 1,725 | 283 | 1,556 | 236 | 363 | 43 |
| Tuberculosis ... | 1,127 | 519 | 1,214 | 594 | 1,337 | 692 | 1,442 | 686 | 1,450 | 698 |
| Enteric Fever ... | 108 | 31 | 116 | 42 | 251 | 106 | 142 | 63 | 167 | 61 |
| Ulcers ... | 2,617 | 1 | 2,323 | 1 | 2,432 | 2 | 3,196 | 1 | 4,027 | 5 |
| Venereal Diseases ... | 3,360 | 83 | 3,232 | 82 | 2,774 | 101 | 3,451 | 77 | 3,836 | 52 |
| Ankylostomiasis ... | 1,255 | 214 | 1,526 | 268 | 1,714 | 385 | 1,183 | 241 | 1,501 | 312 |

Out-Door Dispensaries.

Thirty thousand five hundred and thirty-five patients sought medical assistance as out-patients in the different out-door dispensaries of the Colony compared with 30,097 in 1919 and 33,297 in 1918.

Medical School.

The total number of students on the Roll for the "Full Course of L. M. S." is 111, of whom 14 joined in the year under review. Eleven students qualified for the L. M. S. diploma. The total number of licentiates amounts to 121.

The Hospital Assistants' course has been discontinued. Three Straits Settlements Government Student Hospital Assistants were, however, permitted to remain and complete their course.

No Dental certificates were issued; the granting of these is in suspense pending revision of the regulations.

Miscellaneous.

Forty-nine Medical Practitioners were registered during the year. The total number now on the Register is 578.

Forty licences were issued to Chemists and Druggists and Medical Practitioners in Singapore, and 33 licences to Dentists under the Deleterious Drugs Ordinance.

Thirty-three licences were issued under the Poisons Ordinance.

The Hospitals Board Ambulance answered 385 calls for conveying cases to hospitals.

The following were members of the Hospitals Board during the year, excluding Government Ex-officio members:—

Mr. M. J. UPCOTT.
Dr. E. A. ELDER.
Dr. J. A. R. GLENNIE.
Dr. MCKERN.
Mr. TAN KHEAM HOCK.

Dr. S. H. R. LUCY, Principal Civil Medical Officer, who returned from leave on 6th March, 1920, proceeded again on leave prior to retirement on 23rd August, 1920, handing over charge to Dr. G. E. BROOKE, who acted as Principal Civil Medical Officer to the end of the year under review.

Dr. F. B. CROUCHER, Chief Medical Officer, Singapore, while on leave in England, retired in November.

Drs. BROOKE, HARRISON, ADAMS, SAYERS, DODDS, GRAY and FINLAYSON returned from leave on 26th January, 29th August, 5th July, 16th October, 21st December, 9th July and 30th August, 1920, respectively.

Captain F. B. MACDONALD, R.A.M.C., reported his arrival and assumed duty as Anti-Mosquito Officer on 11th May, 1920.

Drs. B. B. MACGREGOR, N. G. COOPER, C. L. STEWART, J. W. SCHARFF and A. L. MURISON were appointed Medical Officers and Health Officers and assumed duty during the year.

A. L. HOOPS,
*Principal Civil Medical Officer,
Straits Settlements.*

APPENDICES.

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APPENDIX A.

SINGAPORE.

GENERAL HOSPITAL.

REPORT BY DR. W. A. TAYLOR, M.B., CH.B., B.A.O. (DUBLIN), *Acting Chief Medical Officer-in-Charge.*

1. *Hospital Buildings.*—During the year considerable progress has been made with the arrangements for the provision of a new hospital. The preparation of the site was commenced in November, 1920: it involves the demolition of the Chief Medical Officer's quarters and the levelling of the hill on which they stand.

A small hut has been constructed for the disinfection of **Influenza** contracts.

2. *Work done.*—The comparative table attached shows the total number of patients treated in all the wards (exclusive of the Maternity Hospital) during the past seven years; there is a progressive increase.

| Year. | Number of patients treated in European Wards. | Died. | Percent-age. | Number of patients treated in Native Wards. | Died. | Percent-age. |
|----------|---|-------|--------------|---|-------|--------------|
| 1914 ... | 941 | 56 | 5·84 | 3,482 | 326 | 9·28 |
| 1915 ... | 1,084 | 51 | 4·68 | 3,258 | 246 | 7·59 |
| 1916 ... | 1,038 | 65 | 6·26 | 3,350 | 297 | 8·09 |
| 1917 ... | 1,120 | 49 | 4·37 | 3,800 | 382 | 10·05 |
| 1918 ... | 1,206 | 59 | 4·89 | 4,683 | 499 | 13·01 |
| 1919 ... | 1,558 | 83 | 5·32 | 4,771 | 470 | 9·85 |
| 1920 ... | 1,812 | 91 | 4·96 | 5,925 | 518 | 8·74 |

3. *Chief Diseases.*—The chief diseases treated in the wards are stated below and compared with the previous years.

| Diseases. | 1920. | 1919. | 1918. | 1917. | 1916. | 1915. |
|-------------------------|-------|-------|-------|-------|-------|-------|
| Malaria ... | 977 | 766 | 1,067 | 790 | 774 | 516 |
| Enteric Fever ... | 96 | 65 | 118 | 69 | 58 | 54 |
| Phthisis ... | 210 | 209 | 160 | 110 | 133 | 114 |
| Dysentery ... | 123 | 205 | 84 | 81 | 73 | 74 |
| Venereal Disease ... | 621 | 432 | 373 | 301 | 318 | 355 |
| Beri-beri ... | 20 | 65 | 95 | 76 | 28 | 29 |
| Pneumonia (Lobar) ... | 174 | 137 | 119 | 83 | 54 | 50 |
| Pneumonia (Broncho) ... | 151 | ... | ... | ... | ... | ... |
| Ankylostomiasis ... | 172 | 143 | 195 | 194 | ... | ... |
| Injuries ... | 1,363 | 1,082 | 1,017 | 853 | 1,038 | 1,022 |

The continued increase in the number of cases of Pneumonia is again marked, as is also the incidence of Broncho-Pneumonia. As mentioned last year, the Tamil is especially susceptible.

Occasional cases of Influenza have occurred but it has not shown epidemic prevalence. Sporadic cases of Cerebro-Spinal Fever are also met with. There was no epidemic of infectious disease.

One case was diagnosed as Encephalitis Lethargica. A great increase in the number of cases of Venereal Disease is to be noted: this shows that the native population is now recognising the value of Western methods of treatment. The total number of cases treated was 621, consisting of Gonorrhœa 146, Syphilis 381, Soft Chancres 94.

4. *Native Police*.—There were 801 admissions to hospital—a decrease of 142 as compared with the previous year. The nationality of the patients was, Malays 368, Sikhs 206, Other Indians 173, Chinese 51, Javanese 4.

5. *Maternity Hospital, Sepoy Lines*.—There were 458 admissions as compared with 406 in 1919. There were 416 confinements.

The nationalities of the cases were as follows:—

| | | | | | |
|-----------------|-----|-----|-----|-----|-------|
| European | ... | ... | ... | ... | 121 |
| Eurasian | ... | ... | ... | ... | 15 |
| Chinese | ... | ... | ... | ... | 200 |
| Tamil | ... | ... | ... | ... | 21 |
| Sikh and Indian | ... | ... | ... | ... | 25 |
| Japanese | ... | ... | ... | ... | 31 |
| Jewesses | ... | ... | ... | ... | 3 |
| | | | | | <hr/> |
| Total | | | | | 416 |
| | | | | | <hr/> |

The average weight of the European infants was in normal cases, males 7 lbs. 11½ ozs.; females 7 lbs. 6¼ ozs. Amongst the Chinese, normal cases, males 6 lbs. 9¼ ozs.; females 6 lbs. 10 ozs.

Of the 416 confinements 249 were normal and 167 abnormal; the percentage of abnormal cases was highest amongst the Europeans. Forceps were applied in 70 cases and craniotomy was required in 3 cases: 4 cases required version.

There were 9 deaths: resulting from Eclampsia 2, Hæmorrhage 2, Tuberculosis 1, Malarial Fever 3, Enteric Fever 1.

The deaths occurred amongst debilitated patients.

There were 46 premature and still-born infants.

6. *Staff*.—Dr. J. S. WEBSTER acted as Chief Medical Officer, Singapore, throughout the year.

Dr. F. B. CROUCHER, Chief Medical Officer, Singapore, and at the time Acting Principal Civil Medical Officer, Straits Settlements, went on leave on March 15th, 1920, and has since retired.

The Senior Surgeon Mr. C. J. SMITH went on leave on July 10th, 1920. Dr. J. GRAY has since acted as Senior Surgeon.

7. *Medical Officer, General Hospital*.—Dr. R. D. FITZGERALD, M.C., relieved Dr. BURNE in April 19th, 1920. Dr. N. G. COOPER, temporary Medical Officer, arrived and assumed duties in December 23rd, 1920. Miss LEE CHOO NEO was appointed Lady House Surgeon in charge of Female Wards and Maternity Hospital in January 2nd, 1920. Mr. RASIAH, Assistant Surgeon, replaced Mr. J. SUARES on April 1st, 1920. An additional European Male Attendant for mental cases was engaged in October 1st, 1920.

8. *X-Ray Department*.—The number of case applying for therapeutic exposures is increasing.

Four hundred and sixty-eight cases were radiographed during the year as compared with 316 during the year 1919, of these 42 were of the renal area, 25 of the spine, 8 of the skull and 7 of the chest. Also 18 cases were given Bismuth meals and subjected to the routine X-ray abdominal examination. The apparatus continues to work excellently and the results are satisfactory.

FREE MATERNITY HOSPITAL

During the year under report 342 women have been delivered, of whom—

| | |
|-----|---------------|
| 255 | were Chinese. |
| 47 | „ Tamils. |
| 15 | „ Japanese. |
| 12 | „ Eurasians. |
| 7 | „ Malays. |
| 3 | „ Annamites. |
| 1 | „ Jewess. |
| 2 | „ Bengalis. |

342

There were two (2) adult deaths—one due to Nephritis and the other to Sepsis.

There were four (4) Venereal cases—

8 Infant deaths.

16 Still-births.

Complicated cases numbered 70.

REPORT ON SURGERY AT THE GENERAL HOSPITAL, SINGAPORE, DURING 1920.

OPERATIONS, NATIVE WARD 1920.

| <i>Total.</i> | <i>Cured.</i> | <i>Died.</i> | <i>Remaining.</i> |
|---------------|---------------|--------------|-------------------|
| — | — | — | — |
| 190 | 174 | 3 | 13 |

OPERATIONS, EUROPEAN THEATRE 1920.

| <i>Total.</i> | <i>Cured.</i> | <i>Relieved.</i> | <i>Not Improved.</i> | <i>Died.</i> | <i>Remaining.</i> |
|---------------|---------------|------------------|----------------------|--------------|-------------------|
| — | — | — | — | — | — |
| 541 | 448 | 33 | 11 | 35 | 14 |

Add 93 examinations—Total of 634.

PRISON HOSPITAL.

REPORT BY DR. H. J. GIBBS, M.R.C.P. (ENGLAND), L.R.C.P. (LONDON),
Police Surgeon.

1. The health of the Prison has been satisfactory.
2. The sanitary condition has been improved by the extension of the water carriage system to the latrines in the work yards.
3. The Prison remained free from Beri-beri, Scurvy, and Enteric Fever.
4. *Dysentery decreased.*—There were 10 admissions to hospital with 2 deaths against 28 and 9 in 1919, and 47 and 16 in 1918.
5. Tuberculosis accounted for 12 admissions with 6 deaths.

6. There were 529 admissions, with an average daily sick of 24, against 582 and 30 in the previous year.

7. No Europeans or Eurasians were admitted to hospital.

8. *Criminal Prison*.—The total population was 2,963 and average daily number 643. 393 were admitted to hospital, with 20 deaths—average daily sick 20.

9. *Civil Prison*.—Total population 4,636, average daily number 113. The daily average sick was 0·8, and the number admitted to hospital was 30 with 2 deaths.

10. *House of Detention*.—The total population was 368 and the average daily number 30. 106 were admitted to hospital with 3 deaths and average daily sick of 3·7.

11. *Deaths in Hospital* totalled 25: 13 were long-sentence prisoners, 5 short-sentence, 2 Revenue grade, 2 Civil and 3 vagrants.

12. Besides there were 3 deaths in the cells discovered when the prisoners were being unlocked in the morning. One from cerebral hæmorrhage, one valvular heart disease, and one heart failure in a case of tuberculosis.

13. *Suicide*.—One civil prisoner committed suicide in the Civil Prison by hanging.

14. *Executions*.—There were two.

15. Dr. T. MURRAY ROBERTSON was Medical Officer until the end of August, when he retired and I took over.

TAN TOCK SENG'S HOSPITAL, SINGAPORE.

REPORT BY DR. W. A. TAYLOR, M.B., Ch.B., B.A.O. (DUBLIN).

1. *Work done*:—

| | | |
|---|-----|------------------|
| Remained on 31st December, 1919 | ... | 592 |
| Admitted during the year 1920 | ... | 10,234 |
| | | <hr/> |
| Total | ... | 10,826 patients. |
| Discharged during the year 1920 | ... | 8,882 |
| Died during the year 1920 | ... | 1,306 |
| Remained in hospital on 31st December, 1920 | ... | 638 |
| | | <hr/> |
| Total | ... | 10,826 patients. |

2. The average daily sick was 622·15.

3. Percentage of deaths to total patients treated during the year was 12·06.

4. Total of deaths for 1920 were 1,306, of these 113 occurred within 24 hours of admission. Deducting all these 113 deaths, the death-rate per hundred was 11·01.

5. Average daily stay in hospital of patients who were discharged, 253·21 days.

Average daily stay in hospital of patients who died, 60·69 days.

Average daily stay in hospital of patients who remained, 136·03 days.

6. *Malaria*.—Two thousand three hundred and ten cases of these diseases were treated during the year. The mortality was 7·87 per cent.

| | | | | | |
|------------------------|-----|-------|------------|-----|---------|
| Benign Tertian Malaria | ... | 277 | cases with | 4 | deaths. |
| Quartian | „ | 75 | „ | 2 | „ |
| Subtertian | „ | 690 | „ | 140 | „ |
| Mixed Infection | „ | 56 | „ | 3 | „ |
| Chronic | „ | 351 | „ | 33 | „ |
| Unclassified | „ | 911 | „ | — | „ |
| Total | ... | 2,310 | „ | 182 | deaths. |

Six thousand and eighty-eight blood films were examined for Malarial parasites during the year reported, 2,028 films showed parasites, the remainder being reported negative.

7. *Dysentery*.—Five hundred and ninety-four cases of this disease were treated during the year. Post-mortem examinations on 159 patients suffering from Dysentery gave the following results: Amoebic Dysentery 77·35 per cent, Bacillary Dysentery 20·74 per cent; both infectious co-existing 1·78 per cent.

8. *Beri-beri*.—This disease showed a marked decrease; the number of cases admitted during 1920 was only 103. The total cases treated were 136. (Appendix A shows figures for Beri-beri for the last 4 years).

9. *Enteric group*.—Total cases treated 48.

Total deaths 20, death-rate 41·66 per cent as against 50 per cent for 1919.

10. *Helminthiasis*.—One hundred and eighty-three cases of Ankylostomiasis were treated. The mortality was 18·03 per cent.

Two thousand eight hundred and fifty-two examination of stools for ova, etc., were made with the following results:—

| | | | | |
|-------------------------------------|-----|-----|-----|-------|
| Ankylostomiasis ova | ... | ... | ... | 662 |
| Round-worm ova | ... | ... | ... | 382 |
| Whip-worm ova | ... | ... | ... | 162 |
| Round and Whip-worm ova | ... | ... | ... | 122 |
| Ankylostome and Whip-worm ova | ... | ... | ... | 127 |
| Ankylostome and Round-worm ova | ... | ... | ... | 165 |
| Ankylostome Round and Whip-worm ova | ... | ... | ... | 76 |
| Negative | ... | ... | ... | 1,156 |
| Total | ... | ... | ... | 2,852 |

11. *Venereal Diseases*:—

| | | | | |
|----------|-----------|-----|-----|-----|
| Syphilis | Primary | ... | ... | 72 |
| „ | Secondary | ... | ... | 910 |
| „ | Tertiary | ... | ... | 91 |
| „ | Gonorrhœa | ... | ... | 149 |

Total ... 1,222 cases.

Wasserman Reaction (Blood serum and Cerebro-Spinal Fluid).—The Government Pathologist performed 1,390 tests of which 855 were positive, 474 negative and 61 anti-complementary.

One thousand seven hundred and ninety-one Intravenous injections of N. A. B. were administered, no ill-effects were observed after any of these injections.

Eight subcutaneous injections of Sulfarsenol were given without causing any local discomfort to patient and with satisfactory results upon skin lesions. Intravenous injections of mercury were frequently employed.

12. *Tuberculosis*.—Five hundred and eighty-five cases of this disease were treated. Five hundred and fifty-seven of these were pulmonary and 28 General Tuberculosis. The death-rate was 47.52 per cent.

13. "Dangerous and Infectious Diseases."

A. Cholera 6 cases, 3 of which died in this hospital, the remaining 3 being transferred to the Isolation Hospital.

B. Plague 12 cases (2 Pneumonic Plague, 10 Bubonic Plague), 6 including the 2 Pneumonic cases died here, the remainder were transferred.

C. *Cerebro-Spinal Meningitis*.—There were 7 admissions for this disease. One case died here, the remainder were transferred.

Sixteen specimens of cerebro-spinal fluid were sent to the Government Pathologist for his report.

D. *Small-pox*.—There were no cases.

14. *Operations*.—Major cases 198, Minor cases 1,797, Deaths 32.

15. *Medico-Legal*.—Sixty-one dead bodies were sent by the Coroner for post-mortem examination. Seven hundred and three cases were sent by the Police for treatment.

16. *Observation for Lunacy*.—169 patients were detained under observation for lunacy. One hundred and two of these were certified to be insane.

Since March, 1920, Wasserman tests have been performed on all patients showing signs of mental disease.

The blood serum of 50 persons who were subsequently found to be insane gave the following results with the Wasserman test:—

Positive 23. Negative 26. Anti-complimentary 1.

17. *Staff*.—Dr. R. D. FITZGERALD, M.C., remained in charge of the hospital until March 12th, 1920, when I relieved him.

Assistant Surgeon E. W. DE CRUZ relieved Assistant Surgeon K. SINHA in June as Senior Assistant Surgeon, Assistant Surgeon J. SUARES was responsible for the operative surgery from March to December, 1920. Assistant Surgeon: KHENG JIT HENG was responsible for the treatment of the leprosy patients. The other Assistant Surgeons employed in this hospital during the year were S. M. IBRAHIM, LEE KEK SOON and V. GOPALAN.

Beri-beri.—Admissions for Beri-beri showing nationalities for the last four years:—

NATIONALITIES.

| Year. | Chinese. | Malays. | Indians. | Japanese. | Others. | Total Admission. |
|-------|----------|---------|----------|-----------|---------|------------------|
| 1917 | 429 | 10 | 2 | 30 | 2 | 473 |
| 1918 | 682 | 15 | 8 | 62 | 10 | 777 |
| 1919 | 550 | 15 | 13 | 61 | 11 | 650 |
| 1920 | 80 | 5 | 4 | 11 | 3 | 103. |

In view of the decrease in Beri-beri shown by these figures it is interesting to note that Polished rice became difficult to obtain in 1919, so that Parboiled rice had to be used instead throughout the year 1920.

Many rice eaters also added bread to their dietary. Now that Polished rice is again freely obtainable, the incidence of Beri-beri will probably show an increase in 1921.

LEPER ASYLUM, SINGAPORE.

1. Male Camp:—

| | | |
|--------------------------------------|-----|--------------|
| Remained on 31st December, 1919 ... | ... | 11 |
| Admitted 1920 ... | ... | 30 |
| | | — |
| Total ... | | 41 patients. |
| | | — |
| Transferred to Pulau Jerejak ... | ... | 18 |
| Discharged ... | ... | — |
| Absconded ... | ... | — |
| Died ... | ... | 3 |
| Remaining on 31st December, 1920 ... | ... | 20 |
| | | — |
| Total ... | | 41 patients. |
| | | — |

2. Female Camp:—

| | | |
|--------------------------------------|-----|--------------|
| Remained on 31st December, 1919 ... | ... | 34 |
| Admitted ... | ... | 4 |
| | | — |
| Total ... | | 38 patients. |
| | | — |
| Discharged ... | ... | — |
| Absconded ... | ... | — |
| Died ... | ... | 2 |
| Remaining on 31st December, 1920 ... | ... | 36 |
| | | — |
| Total ... | | 38 patients. |
| | | — |

3. Since April, 1920, Intravenous and other injections of Sodium Hydnocarpate have been administered to these patients. A few cases show marked improvement already and all are benefited. One woman volunteered the statement that she can now wear earrings which she had been unable to do for several years.

LUNATIC ASYLUM.

REPORT BY DR. H. J. GIBBS, M.R.C.S., L.R.C.P., *Medical Superintendent.*

1. There remained on 31st December, 1919, two hundred and sixty-five males and seventy-six females.

Two hundred and thirty-three males and sixty-six females were admitted in 1920, giving a total treated of six hundred and forty.

2. Of the admissions, fifty-eight males and eight females had previously been under treatment in this asylum.

3. Of the total treated, fifty-seven males and thirteen females were discharged recovered; sixteen males and four females relieved; thirty-six males and thirty-four females, not improved; thirteen males and one female, absconded, and fifty-seven males and ten females died.

4. There remained on 31st December, 1920, three hundred and nineteen males and eighty females.

5. The average daily numbers resident were two hundred and eighty-two males and seventy-five females.

6. The maximum and minimum numbers were 400 and 314 respectively.

7. The nationalities of the admissions were:—

| | | | | Males. | Females. |
|-------------------------|-----|-----|-----|--------|----------|
| | | | | — | — |
| British | ... | ... | ... | 12 | 1 |
| Other Europeans | ... | ... | ... | 8 | — |
| Eurasians | ... | ... | ... | 4 | 4 |
| Japanese | ... | ... | ... | 1 | 1 |
| Chinese | ... | ... | ... | 167 | 42 |
| Malays and allied races | ... | ... | ... | 15 | 9 |
| Tamils | ... | ... | ... | 20 | 7 |
| Other Asiatics | ... | ... | ... | 6 | 2 |
| | | | | — | — |
| Total | ... | ... | ... | 233 | 66 |
| | | | | — | — |

8. The physical condition of patients on admission is shown as:—

| | | | | Males. | Females. |
|------------------|-----|-----|-----|--------|----------|
| | | | | — | — |
| Good | ... | ... | ... | 82 | 10 |
| Fair | ... | ... | ... | 75 | 25 |
| Impaired | ... | ... | ... | 61 | 27 |
| Greatly Impaired | ... | ... | ... | 15 | 4 |

Twelve died within a month of their admission.

9. As to the causes assigned for the mental breakdown in the admissions, syphilis easily overshadows any of the other causes; no fewer than ninety-four men and fifteen women had a history of syphilis.

Alcoholic intemperance accounts for thirty-two. Seventeen males and two females were general paralytics; of these three were Europeans and sixteen Asiatics (Chinese 14, Malays 1, Tamil 1).

10. *Discharges*.—Of the seventy shown as “not improved” twenty-two males and thirty females were transferred to the Tanjong Rambutan Asylum. The recovery rate for the year was 23·41. It is based on the admissions.

11. The death-rate on the average daily number resident is 18·77 (males 20·13, females 13·3): on the total treated it is 10·47 per cent.

12. No zymotic disease occurred. There were no deaths by suicide.

13. *Criminal Populations*.—There remained on 31st December, 1919, seventeen lunatic criminals and twenty-four criminal lunatics: there were admitted in 1920 six of the former and one of the latter.

Of the above 23 lunatic criminals and twenty-five criminal lunatics—

| | | |
|------------------|-----|---|
| Sentence expired | ... | 5 |
| Recovered | ... | 1 |
| Pardoned | ... | 1 |
| Died | ... | 4 |
| Repatriated | ... | 1 |

leaving on 31st December, 1920, seventeen lunatic criminals and nineteen criminal lunatics.

14. *Casualties*.—All were trivial and were mostly accidental.

From canvas procured through the Crown Agents sixty-eight strong rugs and sixteen combination suits were made.

15. *Revenue*.—The amount received from paying patients was \$16,108.09 cents; the sale of stores produced sixty dollars.

16. *Industries*.—Five thousand and sixty-nine yards of cotton cloth were woven by the male patients.

17. *Kitchen Garden*.—This garden supplied the inmates of the asylum, with thousand five hundred and ninety-five pounds of fresh vegetables. This supply saved the Government \$1,127.85 cents.

18. A new European cottage to accommodate four of the better class of European patients was erected.

TABLE I.

LUNATIC ASYLUM.

Table showing the Admissions, Discharges and Deaths during the Year 1920.

| — | Male. | Female. | Total. | Male. | Female. | Total. |
|---|-------|---------|--------|-------|---------|--------|
| In the Asylum on 1st January, 1920 | ... | ... | ... | 265 | 76 | 341 |
| Cases admitted :— | | | | | | |
| First Admissions | ... | ... | ... | 205 | 58 | 263 |
| Not First Admissions | ... | ... | ... | 28 | 8 | 36 |
| Total cases under care during the year | ... | ... | ... | 498 | 142 | 640 |
| Cases Discharged :— | | | | | | |
| Recovered | 57 | 13 | 70 | ... | ... | ... |
| Relieved | 16 | 4 | 20 | ... | ... | ... |
| Not Relieved | 36 | 34 | 70 | ... | ... | ... |
| Absconded | 13 | 1 | 14 | ... | ... | ... |
| Died | 57 | 10 | 67 | ... | ... | ... |
| Total cases discharged and died during the year | ... | ... | ... | 179 | 62 | 241 |
| Remaining in the Asylum on 31st December, 1920 | ... | ... | ... | 319 | 80 | 399 |
| Average number resident during the year | ... | ... | ... | 282 | 75 | 357 |

TABLE II.
LUNATIC ASYLUM.
Showing the Causes of Deaths during the Year 1920, together with the Ages at Death.

[illegible]

TABLE III.

LUNATIC ASYLUM.

Table showing the Length of Residence of those Discharged, Recovered and of those who Died during the Year 1920.

| Length of Residence. | | | | Recovered. | | | Died. | | |
|-------------------------------|-----|-----|-----|------------|---------|--------|-------|---------|--------|
| | | | | Male. | Female. | Total. | Male. | Female. | Total. |
| Under one month | ... | ... | ... | 2 | ... | 2 | 9 | 3 | 12 |
| From one to three months | ... | ... | ... | 14 | 1 | 15 | 16 | 3 | 19 |
| „ three to six months | ... | ... | ... | 18 | 6 | 24 | 8 | 2 | 10 |
| „ six to nine months | ... | ... | ... | 13 | 5 | 18 | 5 | ... | 5 |
| „ nine to twelve months | ... | ... | ... | 4 | ... | 4 | 4 | ... | 4 |
| „ one to two years | ... | ... | ... | 3 | ... | 3 | 3 | 1 | 4 |
| „ two to three years | ... | ... | ... | 2 | ... | 2 | 2 | 1 | 3 |
| „ three to five years | ... | ... | ... | ... | ... | ... | 2 | ... | 2 |
| „ five to seven years | ... | ... | ... | 1 | 1 | 2 | 2 | ... | 2 |
| „ seven to ten years | ... | ... | ... | ... | ... | ... | 4 | ... | 4 |
| „ ten to fifteen years | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| „ twenty-five to thirty years | ... | ... | ... | ... | ... | ... | 2 | ... | 2 |
| TOTAL | | | | 57 | 13 | 70 | 57 | 10 | 67 |

BERI-BERI HOSPITAL, PASIR PANJANG.

REPORT BY DR. H. J. GIBBS, *Medical Officer*.

1. There remained on 31st December, 1919, sixty patients: twenty-five were admitted in 1920, making a total treated of 85.
2. The average daily number was 43—44.
3. Of the admissions eleven were from the General Hospital, five from Tan Tock Seng Hospital, and nine applied direct at Pasir Panjang. All were paupers.
4. The nationalities of the admissions were:—Eurasian 1, Chinese 20, Singhalese 2, Malay 1, and Tamil 1.
5. All the admissions had fed on either Rangoon or Saigon rice as polished Siam rice was unavailable.
6. *Discharges*.—Thirty-nine were discharged, relieved, 1 was transferred for surgical treatment to the General Hospital and eight absconded.
7. *Deaths*.—Five died: of these five only one died of Beri-beri, the four other deaths were due to Dysentery 2, Enteric Fever 1, and Valvular disease of heart 1.
8. The death-rate on total treated was 5·88.
9. Four of the five deaths occurred towards the close of the year.
10. The death from Enteric Fever occurred in March.

KANDANG KERBAU HOSPITAL FOR FEMALES.

REPORT BY DR. W. A. TAYLOR, M.B., Ch.B., B.A.O., (DUBLIN), *Medical Officer-in-charge*.

Work done:—

| | | | |
|----------------------------------|-----|-------|-----|
| Remained on 31st December, 1919 | ... | ... | 73 |
| Admitted during 1920 | ... | ... | 502 |
| | | Total | 575 |
| Discharged during 1920 | ... | ... | 457 |
| Died | ... | ... | 64 |
| Remaining on 31st December, 1920 | ... | ... | 54 |

The nationalities of those admitted were:—

| | | | | | |
|--------------------|-----|-----|-----|-----|-----|
| Europeans | ... | ... | ... | ... | 1 |
| Eurasians | ... | ... | ... | ... | 51 |
| Japanese | ... | ... | ... | ... | 50 |
| Chinese | ... | ... | ... | ... | 310 |
| Malays | ... | ... | ... | ... | 31 |
| Indians and others | ... | ... | ... | ... | 132 |

The average daily sick was 66·66 and the percentage of deaths to total treated, 11·13, as against 14·4 in 1919. Out of 64 deaths 18 cases died within forty-eight hours of admission.

Eliminating these, the percentage is 8.

The deaths were chiefly from: Phthisis 13, Pneumonia 10, Dysentery 9, Malaria 9, Bright's Disease 4.

The principal diseases treated were:—Venereal 115, Malaria 101, Tuberculosis 38, Pneumonia 32, New Growths 20, Bright's Disease 16, Dysentery 12.

Out-Patients.—Two thousand and two Government servants or families were treated and put in 3,104 attendances.

Staff.—Mr. F. W. F. CLARKE continued as Assistant Surgeon in-charge, Miss S. SMITH was appointed as Head Sister on 12th August.

Female Lepers.—On 8th July, the female lepers were transferred to the pauper ward from the camp at Balestier Road which had become unserviceable. The ward is in a separate enclosure.

HEALTH OF SINGAPORE POLICE FORCE, 1920.

REPORT BY DR. J. S. WEBSTER, *Police Surgeon.*

1. The total number of out-patients treated at the Central Station was 6,167.
2. The total number admitted to hospital was 823 and consisted of the following nationalities:—

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Europeans | ... | ... | ... | ... | 21 |
| Sikhs | ... | ... | ... | ... | 206 |
| Malays | ... | ... | ... | ... | 368 |
| Javanese | ... | ... | ... | ... | 4 |
| Indians | ... | ... | ... | ... | 173 |
| Chinese | ... | ... | ... | ... | 51 |

The following are the chief diseases treated in the hospital:—

| | | | | |
|-----------------------------|-----|-----|-----|-----|
| Pyrexia of uncertain origin | ... | ... | ... | 158 |
| Venereal disease | ... | ... | ... | 117 |
| No disease diagnosed | ... | ... | ... | 86 |
| Injuries | ... | ... | ... | 56 |
| Bronchitis | ... | ... | ... | 50 |
| Malaria | ... | ... | ... | 46 |
| Scabies | ... | ... | ... | 40 |
| Asthma | ... | ... | ... | 26 |
| Malingering | ... | ... | ... | 23 |
| Abscess | ... | ... | ... | 22 |
| Ulcer | ... | ... | ... | 21 |

The figure for the cases of pyrexia of uncertain origin is high but in every one the blood was carefully examined for parasites.

3. The number and nationality of the recruits admitted to the Force were as follows :—(a) ordinary; (b) detective.

| | <i>Europeans.</i> | <i>Eurasians.</i> | <i>Sikhs.</i> | <i>Malays.</i> | <i>Javanese.</i> | <i>Indians.</i> | <i>Chinese.</i> |
|----------|-------------------|-------------------|---------------|----------------|------------------|-----------------|-----------------|
| <i>a</i> | 6 | nil. | 2 | 96 | 5 | 12 | 4 |
| <i>b</i> | nil. | „ | 2 | 31 | nil. | 5 | 32 |
| | | | | | Total | 125 plus 70=195 | |

The number of rejected candidates was as follows:—

| | | | | | | |
|-------------------|-------------------|---------------|----------------|------------------|-----------------|-----------------|
| <i>Europeans.</i> | <i>Eurasians.</i> | <i>Sikhs.</i> | <i>Malays.</i> | <i>Javanese.</i> | <i>Indians.</i> | <i>Chinese.</i> |
| — | — | — | — | — | — | — |
| nil. | nil. | 3 | 14 | 3 | 4 | 7 |
| Total=31 | | | | | | |

APPENDIX B.

PENANG.

REPORT BY DR. W. H. FRY, M.R.C.S. (ENGLAND), L.R.C.P. (LONDON), *Chief Medical Officer.*

Population.—The estimated population for Penang Island is 154,086; for Province Wellesley 142,710, and for the Dindings 12,712; no returns of immigration or emigration are kept other than those to and from India.

Births.—The number of births recorded for Penang Island was 4,553; for Province Wellesley 4,391, and for the Dindings 355, the nationalities being:—

| | | | | | |
|--------------------|-----|-----|-----|-----|-------|
| European | ... | ... | ... | ... | 46 |
| Eurasian | ... | ... | ... | ... | 43 |
| Chinese | ... | ... | ... | ... | 2,726 |
| Malay | ... | ... | ... | ... | 1,145 |
| Dravidian | ... | ... | ... | ... | 537 |
| Other Indians | ... | ... | ... | ... | 14 |
| Others and Unknown | ... | ... | ... | ... | 42 |

Deaths.—The number of deaths recorded for Penang Island was 5,439, for Province Wellesley 3,928 and for the Dindings 442.

Birth and Death-rates.—The Birth and Death rates for Penang Island for the past 5 years per thousand were:—

| | <i>Births.</i> | <i>Deaths.</i> | <i>Infantile Mortality.</i> |
|------|----------------|----------------|-----------------------------|
| 1916 | 27·11 | 30·10 | 165 |
| 1917 | 29·48 | 35·72 | 229 |
| 1918 | 37·18 | 44·01 | 204 |
| 1919 | 30·16 | 41·71 | 177·23 |
| 1920 | 29·55 | 35·30 | 163·19 |

Zymotic Diseases.—The number of deaths from Influenza in Penang Island was 123 as compared with 480 in 1919 and 318 in 1918.

Through the medium of ships 65 deaths from Influenza took place at the Quarantine Island; 605 cases were landed there with this disease.

Small-pox.—The number of Small-pox cases in Penang Island was 34 with 22 deaths, compared with 398 cases and 142 deaths last year. Most of the cases occurred in the country districts.

Province Wellesley.—In Province Wellesley there were 6 cases and 1 death compared with 65 cases and 21 deaths the previous year.

Dindings.—An outbreak of Small-pox occurred in the Bruas district, resulting in 75 cases and 15 deaths. It is hoped in 1922 to establish an Outdoor Dispensary in the Northern District of the Dindings to treat the sick and vaccinate those in the district.

Vaccination.—One thousand seven hundred and thirty Vaccinations were performed by the Government Vaccinator in Penang, 1,260 by private vaccinators, and 1,589 by the Municipality since they took over the Registration of Births and Deaths from 1st September, 1920.

Cholera.—There was no case of Cholera in Penang Island. Eight cases were landed at the Quarantine Island from the B. I. cooly ships.

Malaria.—During the year Anti-Malarial work was carried on in the Municipality of Penang by oiling and removal of weeds in the Fort moat in which *Anopheles ludlowi* had been found breeding; this mosquito was the cause of an outbreak of malaria among the Sikh Police the year previous. The total expenditure was \$1,000.

In Penang the deaths recorded from Malaria the past 5 years have been :—

| | | | | | | |
|------|-----|-----|-----|-----|-----|-----|
| 1916 | ... | ... | ... | ... | ... | 749 |
| 1917 | ... | ... | ... | ... | ... | 683 |
| 1918 | ... | ... | ... | ... | ... | 723 |
| 1919 | ... | ... | ... | ... | ... | 752 |
| 1920 | ... | ... | ... | ... | ... | 672 |

The average death-rate per annum from Malaria in quinquennial periods has been :—

| | | | | | |
|-----------|-----|-------------|-----------|-----|-------------|
| 1901—1905 | .. | 244 deaths. | 1906—1910 | ... | 843 deaths. |
| 1911—1915 | ... | 590 deaths. | 1916—1920 | ... | 716 deaths. |

The Quarantine Camp, Jelutong, was taken over by the Municipality during the year. The Municipal Commissioners also assumed charge of the Registration of Births and Deaths within Municipal limits, the Municipal Health Officer being appointed a Deputy Registrar for this purpose.

HOSPITALS.

The number of admissions and number of deaths in all hospitals in Penang and the hospitals at Quarantine Station for the past 5 years are :—

| | | | | <i>Admissions.</i> | <i>Deaths.</i> |
|------|-----|-----|-----|--------------------|----------------|
| | | | | — | — |
| 1916 | ... | ... | ... | 9,347 | 903 |
| 1917 | ... | ... | ... | 8,718 | 977 |
| 1918 | ... | ... | ... | 10,061 | 1,452 |
| 1919 | ... | ... | ... | 12,036 | 1,724 |
| 1920 | ... | ... | ... | 11,385 | 1,168 |

The chief recorded causes of deaths for these hospitals for the same period were :—

| Diseases. | | 1916. | | 1917. | | 1918. | | 1919. | | 1920. | |
|-------------------|-----|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Phthisis | ... | 264 | 127 | 272 | 145 | 354 | 175 | 380 | 176 | 299 | 188 |
| Malaria | ... | 1,677 | 106 | 1,493 | 118 | 1,379 | 137 | 2,107 | 175 | 2,557 | 150 |
| Dysentery | ... | 496 | 117 | 406 | 119 | 337 | 132 | 493 | 182 | 387 | 105 |
| Diarrhœa | ... | 151 | 6 | 140 | 4 | 150 | 21 | 161 | 20 | 157 | 10 |
| Ankylostomiasis | ... | 251 | 37 | 306 | 63 | 360 | 80 | 207 | 42 | 261 | 46 |
| Venereal Diseases | ... | 1,238 | 41 | 993 | 36 | 771 | 52 | 764 | 31 | 1,002 | 24 |
| Influenza | ... | ... | ... | ... | ... | 964 | 185 | 472 | 177 | 937 | 118 |
| Tetanus | ... | 3 | 2 | 6 | 3 | 3 | 3 | 1 | 1 | 6 | 2 |
| Plague | ... | 4 | 3 | 6 | 4 | 29 | 17 | 5 | 4 | ... | ... |
| Cholera | ... | 1 | 1 | 14 | 8 | 80 | 55 | 285 | 180 | ... | ... |
| Small-pox | ... | 131 | 38 | 39 | 10 | 58 | 16 | 352 | 108 | 19 | 9 |
| Enteric Fever | ... | ... | ... | 11 | 4 | 20 | 13 | 13 | 4 | 13 | 5 |

Venereal Disease rose from 764 admissions to 1,002 admissions. This number by no means represents the incidence of the disease: a large number of patients admitted with other diseases are found to be also suffering from venereal disease.

One thousand eight hundred and ninety-seven intravenous anti-syphilitic injections were given at the District Hospital.

Influenza was a milder affection than in 1919, though more prevalent; there was an increase in the number of admissions with a less number of deaths.

Beri-beri shows a striking decline over the figures for previous years, the comparison with the past 4 being:—

| | | | | <i>Cases.</i> | <i>Deaths.</i> |
|------|-----|-----|-----|---------------|----------------|
| | | | | — | — |
| 1917 | ... | ... | ... | 129 | 24 |
| 1918 | ... | ... | ... | 76 | 12 |
| 1919 | ... | ... | ... | 89 | 32 |
| 1920 | ... | ... | ... | 25 | 6 |

Similar reductions in the case of incidence are reported from the Federated Malay States and it is impossible to dissociate this reduction from the Government control of rice. Rangoon rice has been more largely used in Penang than Siamese rice; while the additional cost of rice the past year has compelled the poorer class of consumer, *i.e.* those who usually contract Beri-beri, to supplement their food rations with other articles of diet, to their own benefit.

Could measures be taken to prohibit the admission of polished rice to the Peninsula, it is probable that Beri-beri would soon cease to figure in any death returns.

GENERAL HOSPITAL, PENANG.

The numbers treated in the General Hospital during the past 5 years were:—

| <i>Year.</i> | <i>1st and 2nd Class Wards.</i> | <i>Deaths.</i> | <i>Percent- age.</i> | <i>Native Ward.</i> | <i>Deaths.</i> | <i>Percent- age.</i> |
|--------------|-------------------------------------|----------------|--------------------------|---------------------|----------------|--------------------------|
| — | — | — | — | — | — | — |
| 1916 | 331 | 9 | 2.7 | 2,124 | 142 | 6.69 |
| 1917 | 350 | 19 | 5.4 | 2,284 | 105 | 7.2 |
| 1918 | 503 | 35 | 6.95 | 2,933 | 232 | 8.81 |
| 1919 | 462 | 21 | 4.58 | 2,984 | 291 | 9.75 |
| 1920 | 485 | 36 | 7.42 | 2,901 | 254 | 8.75 |

Of the above 36 deaths in the 1st and 2nd class wards, 11 took place within 48 hours of admission; and of the 254 deaths in the Native Ward 70 were within 48 hours; deducting these the death-rate was 5.27 per cent and 6.49 per cent respectively.

Police.—The number of Police admitted during the year was 649 as compared with 520 in 1919.

The increased number of admissions among police was largely due to Malaria at the beginning of the year among the police stationed in the Fort.

Vigorous oiling of the moat and the clearance of weeds stopped these admissions.

As recorded in last year's report the accommodation at the General Hospital, both European and Native, has been severely taxed at times to find accommodation for the numbers seeking admission.

The number of free patients treated in the wards of General Hospital was 445, the majority of these were "police cases"; 32 school children were admitted free.

The number of persons certified as of unsound mind and transferred to the Singapore Lunatic Asylum was 59 (46 males and 13 females).

Revenue.—The Revenue collected during the year was as under : —

| | | | |
|---|-----|-----|------------|
| Birth and Death Registration | ... | ... | 544 00 |
| Bills of Health | ... | ... | 3,005 00 |
| Analyst fees | ... | ... | 4,287 00 |
| Poisons licences | ... | ... | 135 00 |
| Coffin certificates | ... | ... | 230 00 |
| Hides | ... | ... | 28 00 |
| Hospital Board | ... | ... | 62,699 24 |
| <i>Expenditure.</i> —Hospital Board | ... | ... | 294,768 97 |
| Government Contribution to Hospital | ... | ... | 279,541 00 |
| Government Contribution to Maternity Hospital | ... | ... | 13,966 18 |
| Personal Emoluments | ... | ... | 164,127 99 |

Staff.—Dr. W. H. FRY was in charge of the Department as Chief Medical Officer throughout the year.

Dr. J. H. TENNENT, Acting Surgeon, went on leave on the 4th March and was relieved by Dr. R. D. FITZGERALD for about 2 months. Dr. T. W. H. BURN assumed duties from 5th April to 29th August; when he went on leave Dr. J. W. ADAMS succeeded him.

Dr. V. B. KYLE was in charge of the District Hospital till he was transferred to Labuan on 30th December; he was relieved by Dr. C. L. STEWART, a newly appointed Medical Officer.

Dr. H. B. DODDS returned from leave and resumed duty as Medical Officer, General Hospital, on 21st December, 1920.

On 1st March Dr. W. W. MARTIN took over the duties of Port Health Officer and Acting Senior Health Officer from Dr. W. A. TAYLOR, who had acted from the beginning of the year.

Mr. J. C. COWAP was in charge as Deputy Government Analyst throughout the year.

REPORT ON SURGERY AT THE GENERAL HOSPITAL, PENANG, DURING 1920.

One hundred and fifty-seven major operations were performed with 24 deaths of which one-third occurred within 24 hours.

There were 127 minor operations.

PRISON HOSPITAL, PENANG.

REPORT BY DR. W. H. FRY, M.R.C.S. (ENGLAND), L.R.C.P. (LONDON), *Chief Medical Officer.*

1. The general health of the prisoners was not as good as in 1919.
2. There remained 7 patients in hospital at the beginning of the year. Four hundred and sixty-six patients were admitted during the year making a total of 473 patients treated as compared with 337 treated in 1919.
3. The daily average sick was 17·68 as compared with 9·8 of the previous year.
4. Eighteen deaths occurred during the year, a death-rate of 3·97 compared with 6 deaths and a death-rate of 1·7 per cent for the preceding year.

5. The deaths were due to:—

| | | | | | |
|---------------------------|-----|-----|-----|-----|---|
| Dysentery | ... | ... | ... | ... | 3 |
| Pneumonia | ... | ... | ... | ... | 2 |
| Valvular Disease of Heart | ... | ... | ... | ... | 2 |
| Cirrhosis of Liver | ... | ... | ... | ... | 1 |
| Ankylostomiasis | ... | ... | ... | ... | 1 |
| Debility | ... | ... | ... | ... | 1 |
| Malaria Malignant | ... | ... | ... | ... | 1 |
| Pulmonary Tuberculosis | ... | ... | ... | ... | 1 |
| Phthisis | ... | ... | ... | ... | 1 |
| Bright's Disease | ... | ... | ... | ... | 3 |
| Cancer of Stomach | ... | ... | ... | ... | 1 |
| Diarrhoea | ... | ... | ... | ... | 1 |

6. One hundred and seventeen vagrants were admitted during the year—4 remained from the previous year making a total of 121 treated. Eleven deaths occurred among the vagrants.

DISTRICT HOSPITAL, PENANG.

REPORT BY DR. W. H. FRY, *Chief Medical Officer.*

1. There remained on 31st December, 1919, 324 patients and 4,537 were admitted during 1920, making a total of 4,861.

The corresponding figures for 1919 were 277 and 4,572, making a total of 4,849.

2. The number of deaths during the year was 506, giving a death-rate of 10·40 per cent as compared with 560 and 11·54 in 1919.

3. Of the deaths 29 occurred within 24 hours of admission and 67 within 48 hours. Excluding those the death-rate would be 9·87 and 9·15 respectively.

4. The principal diseases treated were:—

| | <i>Admitted.</i> | <i>Deaths.</i> | <i>Percentage.</i> |
|-------------------|------------------|----------------|--------------------|
| Malarial Fever | ... 1,085 | 69 | 6·35 |
| Dysentery | ... 159 | 59 | 37·01 |
| Phthisis | ... 216 | 143 | 66·20 |
| Influenza | ... 147 | 13 | 8·84 |
| Ankylostomiasis | ... 196 | 35 | 17·85 |
| Venereal Diseases | ... 895 | 17 | 1·89 |

5. The average daily sick was 304·53 as compared with 299·35 in 1919.

6. Five hundred and twenty-one minor operations were performed during the year.

Ophthalmic Ward.

1. One hundred and forty-four patients were treated during the year of whom 125 were in-patients and 19 out-patients.

2. Seven operations were performed during the year.

BALIK PULAU HOSPITAL.

REPORT BY DR. W. H. FRY, *Chief Medical Officer.*

1. *Staff.*—The hospital was in charge of Assistant Surgeon NICKELSON up to end of August, when Dresser MOHAMED GHOUSE assumed duty in his place.

2. *Work done.*—Two hundred and forty-one cases (241) were admitted during the year, and 18 cases remained from the previous year, a total of 259 cases treated.

The average daily sick was 20.90 as compared with 19.85 of 1919.

The principal diseases treated were:—

| | | | | |
|------------------------|-----|-----|-----|-------------------------|
| Malaria | ... | ... | ... | 22 cases with 4 deaths. |
| Ulcers | ... | ... | ... | 56 |
| Syphilis | ... | ... | ... | 20 |
| Pulmonary Tuberculosis | ... | ... | ... | 5 cases with 2 deaths. |
| Bronchitis | ... | ... | ... | 15 |
| Pyrexia | ... | ... | ... | 26 |

There were 21 deaths during the year.

The percentage of deaths to total treated is 8.10 as compared with 9.83 in 1919.

LUMUT HOSPITAL, DINDINGS.

REPORT BY DR. W. H. FRY, *Chief Medical Officer.*

During the year a new male ward was erected.

There were 496 admissions, which, with 15 remaining from the previous year, made a total of 511, as compared with 337 of the previous year.

The daily average number of patients was 24.03 compared with 15.43 of the previous year.

The total amount of hospital charges was \$349.20.

The principal diseases treated were:—

| | | | | |
|-------------------|-----|-----|-----|-------------------------|
| Ankylostomiasis | ... | ... | ... | 10 cases with 2 deaths. |
| Dysentery | ... | ... | 14 | „ „ 3 „ |
| Pneumonia | ... | ... | 7 | „ „ 2 „ |
| Malaria | ... | ... | 177 | „ „ 17 „ |
| Venereal Diseases | ... | ... | 38 | „ „ 1 „ |
| Ulcers | ... | ... | 108 | „ „ 2 „ |

There were 41 deaths during the year, of these 20 died within 48 hours of admission.

The percentage of deaths to total treated was 8.02. The percentage excluding those dying within 48 hours of admission was 4.10.

Admissions and deaths were as follows:—

| | | | | <i>Admissions.</i> | <i>Deaths.</i> |
|----------|-----|-----|-----|--------------------|----------------|
| | | | | <hr/> | <hr/> |
| Dindings | ... | ... | ... | 452 | 36 |
| Sitiawan | ... | ... | ... | 59 | 5 |

Infectious Diseases.—In Bruas (Dindings) there were 56 Small-pox cases with 15 deaths.

FEMALE LEPER WARD, JELUTONG.

REPORT BY DR. W. H. FRY, *Chief Medical Officer.*

Thirty-two cases remained at the end of 1919 and five cases were admitted during the year, making a total of thirty-seven cases treated in all.

There were seven deaths during the year.

LEPER ASYLUM, PULAU JEREJAK.

REPORT BY DR. W. W. MARTIN, *Medical Officer-in-charge.*1. *Staff.*—The health has been fair.

2. (a) *Inmates.*—Treatment of Leprosy. Thirty-six have been under treatment with intravenous and intramuscular injections of Sodium Hydncarpate and morrhuate. The injections have been given once weekly, and on the days between, tablets of Sodium Hydncarpate have been taken. All have shown improvement, especially so in the case of one Eurasian inmate.

Difficulty is experienced in persuading patients to take injection treatment.

(b) One Malay and two Javanese were transferred to Pulau Pangkor Laut.

(c) The murder of a Colonial Chinese inmate occurred during the year. Suspicion fell on a Selangor Chinese inmate.

A magisterial enquiry was held, but the charge could not be proved. The man was transferred to Selangor, as it was feared that the other inmates would do him some bodily harm.

3.—(a) The extension to the Reservoir in the Asylum was commenced in June and is nearing completion.

(b) A new ward for Eurasian lepers was erected on the site of the old cattle camp and meets all requirements.

(c) Some repairs were done to the embankment reservoir, and it appears to have improved it to some extent; concreting of the bottom would probably make it perfectly water-tight.

4. The tables appended show:—

(a) The number of admissions, total number of deaths, and the daily average for 1920.

(b) The nationality of the inmates.

TABLE A.

SHOWING THE NUMBER OF ADMISSIONS, TOTAL NUMBER OF DEATHS, AND THE TOTAL NUMBER OF INMATES AND THE DAILY AVERAGE FOR 1920.

| Year. | Remained from previous year. | Admissions. | | | | Total. | Deaths. | Percent- age of Deaths. | Daily average |
|-------|------------------------------|-------------|--------|-----------|--------|--------|---------|-------------------------------|------------------|
| | | Colonial. | Perak. | Selangor. | Kedah. | | | | |
| 1920. | 398 | 50 | 50 | 39 | 12 | 549 | 101 | 18·39 | 435·42 |

TABLE B.

SHOWING THE NATIONALITIES OF INMATES FOR 1920.

| Nationality. | Colonial. | Perak. | Selangor. | Kedah. | Total. |
|-----------------|-----------|--------|-----------|--------|--------|
| Cantonese ... | 72 | 78 | 19 | 6 | 175 |
| Eurasian ... | 5 | ... | .. | ... | 5 |
| Hokien ... | 44 | 19 | 8 | 5 | 76 |
| Hylam ... | 19 | 2 | 2 | 2 | 25 |
| Hylokhong ... | 1 | ... | ... | ... | 1 |
| Javanese ... | 2 | 1 | ... | ... | 3 |
| Kheh ... | 33 | 71 | 32 | 2 | 138 |
| Kling Islam ... | 2 | ... | ... | ... | 2 |
| Looi Chew ... | 3 | ... | ... | ... | 3 |
| Malay ... | 1 | ... | 1 | ... | 2 |
| Santong ... | 1 | ... | ... | ... | 1 |
| Tamil ... | 28 | 28 | 3 | 4 | 63 |
| Teo Chew ... | 33 | 14 | 4 | 4 | 55 |
| Total ... | 244 | 213 | 69 | 23 | 549 |

APPENDIX C.

PROVINCE WELLESLEY.

REPORT BY DR. JOHN HARRISON, M.D., C.M. (MCGILL).

Population.—The following table gives the estimated population and the birth and death rates for the past five years:—

| Year. | Estimated population. | Births No. | Deaths No. | Birth-ratio per mille. | Death-ratio per mille. |
|----------|-----------------------|------------|------------|------------------------|------------------------|
| 1916 ... | 136,820 | 4,108 | 4,380 | 30.02 | 23.43 |
| 1917 ... | 137,978 | 4,484 | 3,914 | 32.50 | 28.35 |
| 1918 ... | 139,538 | 4,109 | 5,676 | 30.40 | 42.08 |
| 1919 ... | 141,115 | 4,361 | 3,533 | 30.80 | 25.03 |
| 1920 ... | 142,710 | 4,391 | 3,928 | 30.76 | 27.52 |

2. *Infantile Mortality.*—The rate per mille for the year under consideration was 100.20 against 101.35 for the previous year and 125.00 for 1918.

Zymotic Diseases.—Notifiable infectious diseases show a marked decrease when compared with the figures of the previous years as per the following table:—

| | 1917. | 1918. | 1919. | 1920. |
|----------------|-------|-------|-------|-------|
| Variola ... | 331 | 112 | 65 | 7 |
| Varicella ... | 38 | 35 | 18 | 27 |
| Puerperal ... | 1 | 2 | 1 | 2 |
| Enteric ... | — | 2 | 2 | — |
| Cholera ... | 2 | — | 13 | 3 |
| Vaccinia ... | 2 | — | — | — |
| Erysipelas ... | — | — | 1 | — |

There is less objection shown to vaccination than formerly. Legal proceedings, the fines of which in 1917 amounted to \$1,143.50, have been unknown during the year (a) the cases of Variola occurred, 4 in the Northern District and 3 in the Central. Only one case terminated fatally. (b) the cases of Cholera were isolated cases and all occurred during the last quarter of the year, 2 in the Southern and one in the Central District: all recovered.

4. *Malaria*.—Admissions to Government Hospitals were 455 with a death-rate of 5.93 against 483 with a death-rate of 7.03 for the previous year. Estate Hospitals on the other hand show a marked increase of cases of this disease, there being 524 admissions with a death-rate of 0.76 per cent compared with 344 and a death-rate of 1.16 for 1919.

5. *Ankylostomiasis*.—There were 240 cases with a death-rate of 11.25 per cent admitted to Government Hospitals against 263 cases and a death-rate of 15.67 per cent for 1919. Forty-three cases were treated in Estate Hospitals with a death-rate of 2.32 per cent against 36 cases with a death-rate of 8.35 per cent for the previous year.

6. *Diarrhœa and Dysentery*.—Government Hospitals treated 166 cases with a death-rate of 33.73 per cent against 153 cases and a death-rate of 27.45 for the previous year. Estate Hospitals figures are 271 cases with a death-rate of 23.24 per cent in comparison with 195 cases and death-rate of 16.92 for 1919.

7. *Phthisis* accounted for 72 cases with a death-rate of 47.22 per cent in the Government Hospitals against 81 cases and a death-rate of 50.61 per cent for 1919. Figures for similar periods from Estate Hospitals show 16 cases treated with a death-rate of 37.5 per cent for 1920 and 31 cases with a death-rate of 48.38 per cent for 1919.

8. *Venereal Disease*.—Two hundred and twelve cases (7 deaths) admitted to hospital wards in 1920 against 237 (5 deaths) in 1919.

9. The following table gives the total number of patients treated in the Government Hospitals and Out-door Dispensaries together with a comparative statement of the previous three years:—

| | <i>In-patients.</i> | <i>Death-rate.</i> | <i>Out-patients.</i> |
|------|---------------------|--------------------|----------------------|
| 1917 | ... 2,885 | 10.57 | 4,190 |
| 1918 | ... 3,681 | 12.07 | 4,669 |
| 1919 | ... 2,935 | 9.50 | 3,745 |
| 1920 | ... 3,272 | 8.69 | 4,225 |

10. The subjoined statement compares the number of primary vaccinations with births over the past 5 years:—

| <i>Year.</i> | <i>Births recorded.</i> | <i>Vaccinations.</i> | <i>Ratio.</i> |
|--------------|-------------------------|----------------------|---------------|
| 1916 | ... 4,180 | 3,576 | 80.76 |
| 1917 | ... 4,484 | 3,645 | 81.29 |
| 1918 | ... 4,100 | 3,307 | 80.48 |
| 1919 | ... 4,361 | 3,873 | 94.25 |
| 1920 | ... 4,391 | 3,410 | 77.65 |

11. *Rainfall*.—The mean total rainfall of the four recording stations in the Province was 2,203.32 millimetres against 1,927.03 millimetres in 1919.

Water Supply.—Estimates and plans have been prepared for increasing the water supply to Prai and Butterworth and indents for pipes have been forwarded to the Crown Agents and quotations accepted.

13. *Sanitation*.—Concrete drains were constructed at Sungei Dua in Butterworth District and at Simpang Ampat and Bukit Tengah in Simpang Ampat District and 6 dust bins were erected at Butterworth and Bukit Mertajam. Four-and-one-half acres of swampy Crown Land at Butterworth is being reclaimed with sand filling.

14. *Health Work*.—During the year periodic visits have been paid to Estates, Villages, and Police Stations, and quarterly reports furnished as regards estates. The only point of interest to be noted under this heading is the poor latrine accommodation that is provided by estates for their labourers, a point that is at present receiving attention.

15. *Hospitals and Dispensaries*.—The grounds and buildings have been kept in good order throughout the year.

16. *Revenue*.—Collection made under Hospital Board Account excluding in both years amounts paid by cheque direct to the Chief Medical Officer, Penang, came to \$2,719.71 in 1920 and to \$1,886.76 in 1919.

17. *Staff*.—I assumed charge of the department on 21st August, 1920, relieving Dr. FURNIVALL, who proceeded to Europe on furlough on 4th August, 1920. Dr. J. W. ADAMS acted as Medical Officer from the 4th August to 21st August.

SUNGEI BAKAP HOSPITAL.

1. *Grounds and Buildings*.—The grounds have been in good condition and the buildings kept in repair throughout the year.

2. *Staff*.—Assistant Surgeon MEHTA is in charge.

3. *Work done*.—There were 38 patients remaining at the beginning of the year. During the year 719 patients were admitted, making a total of 757 as against 793 in 1919. The percentage of deaths to total treated was 10.17 as against 12.86 in 1919. There were 11 deaths within 24 hours of admission. Excluding those who died within 24 hours the percentage of deaths comes down to 8.71. The average daily number of sick during the year was 40 as against 42.28 in 1919. At the end of the year 40 patients remained in the hospital.

4. In all cases the stools of patients were examined and 70 per cent showed the ova *Ankylostoma* in their stools. Blood was examined for Malarial parasites in all cases of fever. Thirty-two operations, mostly minor, were performed during the year.

5. *Medico-Legal*.—The Coroner sent in 18 dead bodies for post mortem. The Police sent in 104 cases for examination and treatment including four for observation for insanity and two for leprosy.

6. *Police*.—The number of Police admitted during the year was 52.

The health of the Police Force was fairly good.

BUKIT MERTAJAM HOSPITAL.

1. *Buildings*.—During the year a new mortuary has been erected and a few minor repairs carried out.

2. *Work done*.—Thirty-seven patients remained from the previous year, which with 959 admissions during the year makes a total of 996 cases treated for the year, as against 720 for 1919. The average daily number of sick was 44.08. Number of deaths to total treated amounted to 98; of these 21 died within 48 hours of admission. Percentage of deaths to total treated was 9.83. Percentage of deaths to total treated excluding those dying within 48 hours of admission was 7.89. Forty-four patients remained at the end of the year.

3. Stools of all admissions were examined. Out of 959 stools examined, 52 cases showed *Ankylostoma* ova. The blood of all patients were examined. Out of 959 films taken 230 contained Benign Tertian parasites and 6 sub-Tertian parasites. Twenty-four post mortems were done during the year.

4. *Infectious Diseases*.—During the year there were 3 cases of Small-pox and 4 cases of Chicken-pox. All Small-pox cases were sent to Butterworth Quarantine Camp. There were 2 Small-pox prosecutions, in one case two were fined \$5 each and in the other one was fined \$10.

5. *Medico-Legal*.—The Coroner sent in 12 cases for post mortem examination. The Police sent in 110 cases for examination and treatment, and 8 cases were admitted under a Magistrate's Warrant for observation for lunacy.

BUTTERWORTH HOSPITAL.

1. *Staff*.—Assistant Surgeon LETCHMANASAMY was in charge of Butterworth Hospital throughout the year.

2. *Work done*.—(a) Forty-nine patients remained from the previous year, which, with 1,470 admissions during the year, makes a total of 1,519 cases treated for the year, as against 1,422 for 1919. The average daily number of sick was 54.28. Number of deaths to total treated amounted to 109. Of these 18 died within 48 hours of admission. Percentage of deaths to total treated was 7.17. Percentage of deaths to total treated excluding those dying within 48 hours of admission was 61.06. 64 patients remained at the close of the year.

(b) A systematic examination of the stools of patients admitted into hospital was carried out during the year. Of these, 60 cases of Hook-worm, 20 cases of Round-worms, 17 of Whip-worm and 5 of *Amœba* were demonstrated.

(c) Of the blood films examined, 54 proved to be Benign Tertian, Quartan 1 and Malignant Tertian 16.

(d) One hundred and fifty-four operations were performed during the year of which 64 cases were cured, 83 relieved, and 7 died.

(e) One hundred and eight cases of Venereal Diseases were treated during 1920, of which 97 were males and 11 females.

Medico-Legal.—Eight dead bodies were sent in by the Police for post mortem examination. Number of Police cases treated totalled 151, 45 Police recruits were examined during 1920. Of these 37 were passed fit and 8 were rejected.

APPENDIX D.

MALACCA HOSPITALS.

REPORT BY DR. J. R. McVAIL, M.B., Ch.B. (GLAS.).

The total Revenue of the Department for 1920 was \$22,309.19 and the Expenditure \$242,320.43.

The population is made up as follows:—

| | | | | | |
|-----------|-----|-----|-----|-----|---------|
| Europeans | ... | ... | ... | ... | 385 |
| Eurasians | ... | ... | ... | ... | 1,948 |
| Chinese | ... | ... | ... | ... | 44,891 |
| Malays | ... | ... | ... | ... | 99,803 |
| Indians | ... | ... | ... | ... | 9,499 |
| Others | ... | ... | ... | ... | 543 |
| Total | | | | | 157,069 |

Births.—There were 5,315 births in 1920, as against 5,934 in 1919 and 5,300 in 1918.

NATIONALITIES.

| | | | <i>Male.</i> | <i>Female.</i> | <i>Total.</i> |
|-----------|-----|-----|--------------|----------------|---------------|
| | | | — | — | — |
| Europeans | ... | ... | 4 | 5 | 9 |
| Eurasians | ... | ... | 44 | 24 | 68 |
| Chinese | ... | ... | 705 | 658 | 1,363 |
| Malays | ... | ... | 1,599 | 1,603 | 3,202 |
| Indians | ... | ... | 264 | 249 | 513 |
| Others | ... | ... | 71 | 89 | 160 |
| Total | ... | ... | 2,687 | 2,628 | 5,315 |

The birth-rate per mille was 33·83.

Deaths.—Four thousand eight hundred and ninety-eight deaths were registered as contrasted with 4,970 in 1919 and 7,633 in 1918.

| | | | <i>Male.</i> | <i>Female.</i> | <i>Total.</i> |
|-----------|-----|-----|--------------|----------------|---------------|
| | | | — | — | — |
| Europeans | ... | ... | 1 | 1 | 2 |
| Eurasians | ... | ... | 36 | 18 | 54 |
| Chinese | ... | ... | 1,291 | 360 | 1,651 |
| Malays | ... | ... | 1,098 | 1,053 | 2,151 |
| Indians | ... | ... | 621 | 336 | 957 |
| Others | ... | ... | 67 | 16 | 83 |
| Total | ... | ... | 3,114 | 1,794 | 4,898 |

| | | | | | |
|-----------------|-----|-----|-----|-----|-------|
| Death-rate 1920 | ... | ... | ... | ... | 31·18 |
| „ 1919 | ... | ... | ... | ... | 32·48 |
| „ 1918 | ... | ... | ... | ... | 50·04 |
| „ 1917 | ... | ... | ... | ... | 48·97 |
| „ 1916 | ... | ... | ... | ... | 37·38 |

Six hundred and ten of these deaths occurred in hospital, 111 were certified by Registered Medical Practitioners, 786 were certified after death and 3,391 were not certified.

Municipality.—The estimated population for the Municipality for 1920 is 30,377.

There were 900 births and 950 deaths within the Municipal limits. Chief causes of death were:—

| | | | | | | |
|-------------------|-----|-----|-----|------------|-----|---------|
| Malarial Fever | ... | ... | 204 | as against | 253 | in 1919 |
| Convulsion | ... | ... | 127 | „ | 157 | „ |
| Fever unspecified | ... | ... | 120 | „ | 142 | „ |
| Phthisis | ... | ... | 85 | „ | 85 | „ |
| Old Age | ... | ... | 57 | „ | 51 | „ |
| Tetanus | ... | ... | 39 | „ | 33 | „ |
| Beri-beri | ... | ... | 5 | „ | 27 | „ |
| Pneumonia | ... | ... | 68 | „ | 43 | „ |
| Bronchitis | ... | ... | 16 | „ | 14 | „ |
| Dysentery | ... | ... | 15 | „ | 8 | „ |
| Diarrhoea | ... | ... | 17 | „ | 12 | „ |
| Childbirth | ... | ... | 4 | „ | 3 | „ |

The death-rate per mille was 31·27, as against 36·6 in 1919.

Malaria as in previous years accounted for a large proportion of deaths viz., 204. Most of these cases contracted their diseases outside the Municipal

limits, in rubber and other estates, and returned to their homes or entered the hospital. Convulsions accounted for the second largest number of deaths.

The outstanding feature of the year has been the inauguration of the Malacca Agricultural Medical Board. The Ordinance constituting it provides that it will supply a Medical staff and co-operate with the Government Medical Officer in carrying out the provisions of the Estates Labourers (Protection of Health) Ordinance, 1911. It obtains its revenue by means of a Medical Rate collected by the Rural Board in respect of every cultivated acre of the estates within its scope.

Five Medical Officers were appointed and each was given a district for which he was solely responsible, namely:—

Dr. RATTRAY, Central District.
 Dr. AMMER, Sungei Baru District.
 Dr. FISHER, Merlimau District.
 Dr. FERGUSON, Asahan District.
 Dr. SCHARFF, Tebong District.

Dr. SCHARFF resigned and left in October. Dr. TERTIUS CLARKE was appointed to the vacancy. In December, the Board lost the valuable services of Dr. RATTRAY, one of the most experienced Estate Medical Officers in Malaya. His successor has not yet been appointed.

Needless to say a scheme of this magnitude did not start without initial difficulties. There were no Medical Officers' quarters: four have now been built. As yet, however, only one Medical Officer has a telephone, but it is hoped that they will all be supplied this year.

The policy of restricting a man to his district has proved correct. The labour forces and estate sanitation are being attended to better than before. The co-operation of the Board and Government Medical Officers has been close.

The general plan on which the Medical Officers do their work is as follows: They divide their districts into three, each of which they visit twice a week. This takes up the morning and forenoon. All large estates are visited twice a week, some smaller estates once a week, Consultation at the Medical Officer's house, microscopic work, extra visits and extra calls are attended to in the afternoon and evening.

Difficulty has been found in attending to small Chinese estates of which there are a very large number. On some of them there is no one who can talk Malay. The Board is trying to obtain the services of a Chinese graduate who can talk the dialects.

With the exception of \$297, the whole of the revenue of the Board, \$184,640.25, was collected last year. The rate levied being \$1.50 an acre. This included much capital expenditure, houses, motor-cars, that will not recur. The rate for 1921 is \$1 per acre. On account of the prevailing depression it is extremely doubtful if anything like a similar proportion will be collected this year. On the other hand through reduction of staff on estates the work of the Medical Officers has been diminished.

DURIAN DAUN HOSPITAL.

1. *Buildings*.—The new Second Class Ward was occupied in the month of February. The changing of the plank floor in the main wards into cemented ones has been taken in hand. The electric installation is not yet ready.

2. *Staff*.—There has been no change amongst the Assistant Surgeons and dressers. Miss E. F. FLETCHER has been the sister-in-charge during the year. Staff Nurse Miss E. HEPWORTH from Singapore relieved Miss B. DYMOND in the month of May.

3. *Work done*:—The average daily number of paying patients was 79.77.

Number of deaths within 48 hours of admission 52. Percentage of deaths to total treated 7.07. Percentage excluding those dying within 48 hours of admission 4.49.

The number of European patients admitted during the year were 164 males and 26 females as compared with 83 males and 26 females in the previous year. There was only one death. The quarantine camp was occupied for a few days during February and March by 8 cases of cholera and 2 of chicken-pox.

The average daily number of free patients was 154.61.

The percentage of deaths to total treated was 17.39.

Number of deaths within 48 hours of admission were 95.

The percentage of deaths to total excluding those dying within 48 hours of admission was 13.37.

C. *Surgery*.—Including intravenous injections—782 operations, mostly minor, were performed during the year with one death.

4. Thirty-six Necropsies were held on the bodies of patients dying in the hospital.

5. *Medico-Legal*.—A. The Coronor sent in 65 bodies for post mortem examination.

B. The Police brought in 224 cases for examination or treatment.

C. Sixty-three persons were brought in by the Police for observation for Insanity and 8 for examination for Leprosy.

6. *Health of Police*.—Four hundred and ten Police patients were admitted during the year with no death. The majority of the admissions were Malaria and Scabies.

JASIN HOSPITAL.

On 1st January there were 26 cases under treatment. There were 926 admissions during the year, of which 346 came from estates, 24 were paying cases, and the remaining 556 cases were either paupers or Government employees. One hundred and eight were females. There were 118 deaths of whom 17 were females. 41 deaths occurred within 48 hours of admission.

Percentage of deaths to total treated, 12.39.

Percentage excluding deaths within 48 hours, 8.08.

One hundred and thirty-seven minor operations were performed. Seven cases were transferred to Durian Daun Hospital for major operations.

Medico-Legal.—Twenty-four bodies were sent by the Police for post mortem examinations.

Thirty-five Police cases were treated in the hospital.

PRISON HOSPITAL.

Dr. J. R. McVAIL was in charge during the year.

On the 1st January, 1920, there were four cases under treatment. There were 73 admissions during the year with one death due to Tubercular Enteritis.

ALOR GAJAH DISPENSARY.

Dresser TAMBY KECHIL was in charge.

The temporary Small-pox shed, built in 1915 and constantly repaired, is still available for use.

STAFF.

Dr. J. McVAIL has acted as Chief Medical Officer and Dr. WOOLRABE as Health Officer.

Annual Report of Health Officer for 1920.

The headings of Malaria, Unspecified Fever and Convulsions account for slightly under 60 per cent of the total mortality, as against over 70 per cent in 1919, the figures for the last 3 years being as follows:—

| | <i>Malaria.</i> | <i>Unspecified fever.</i> | <i>Convulsions.</i> | <i>Total.</i> |
|----------|-----------------|-------------------------------|---------------------|---------------|
| | — | — | — | — |
| 1918 ... | 1,883 | 1,491 | 1,500 | 4,874 |
| 1919 ... | 962 | 924 | 1,439 | 3,325 |
| 1920 ... | 1,293 | 736 | 947 | 2,976 |

During 1919 a large area was brought under paddy with a fall in the malarial death-rate.

In 1920 the Malacca Agricultural Medical Board was instituted and the estates received a larger amount of medical attention and anti-malarial work than had ever before been possible, with however an increased malarial death-rate.

These figures demand an explanation.

It might be suggested that more accurate diagnosis accounts for part of the increase particularly as the Unspecified fever rate has fallen and that the remainder is due partly at least to the opening up of ravines by estates and vegetable gardeners. It has been the constant endeavour of the Department to check this practice, but the risk is not realised by the majority of people. A gratifying fall in the mortality from Convulsions is to be noted.

Milk.—Twenty-one samples of milk were examined of which 7 samples were found to be adulterated with water.

Prosecutions were undertaken in 7 cases and fines amounting to \$357.50 were inflicted.

The percentage of added water was as high as 57 per cent in one case.

Water.—Thirty-six samples were analysed chemically. Monthly analyses were made of the Municipal pipe water supply from Ayer Kroh as well as quarterly analyses of water from three Bukit China wells which is sold in the Town.

In all cases analyses showed a water fit for domestic use.

An increase in Albuminoid Ammonia was shown by the Ayer Kroh water after the reservoir was cleaned of weeds by the Public Works Department.

The remaining samples were from wells on estates, private houses, villages, etc. Six of them showed a water unfit for drinking.

The fact that 1,392 wells in use and 15 not in use exist in Malacca Town emphasises the need for a larger water supply.

Estates.—Two hundred and thirty-eight visits were made to estates and one hundred and ninety-six separate estates were visited.

Sanitation on the larger estates is on the whole good.

Som of the best lines are to be found on Chinese estates and during the prosperity of the 1st half of the year a good deal was done to improve sanitation, but the present financial stringency has stopped unessential work.

Pulo Besar.—Two visits were paid and recommendations made.

Police Stations.—Twenty-five visits were made to 23 Police Stations by the Health Officer.

Anopheline Surveys.—Surveys have been made round St. John's Hill in connection with the proposed new bungalows; no anophelines were found. They have been, however, in several places within the town.

The appointment of 2 Municipal Mosquito Inspectors has enabled pressure to be brought against owners of infested property in the Town and Fort.

Action has been taken in the country in several cases under the Mosquito Ordinance.

A great deal of anopheline survey work has been done by the Estate Medical Officers.

Cholera.—An outbreak of 21 cases with 14 deaths occurred in February lasting to the 1st week of March.

The majority (12) of the cases were Tamils on Garing Estate, one came from Rumbia, Jelutong, near 11th mile Alor Gajah Road. The remainder including one European were found in the Town and Fort. No connection could be traced to any outside source except that one case was thought to have come from Muar. It was noticed that the Garing cases showed one type of Coma and most of the Town cases another.

The Garing cases were isolated in the Estate Hospital, the others in the Quarantine camp at Mata Kuching.

Cerebro-Spinal Meningitis.—One case, a Tamil recently arrived from Port Swettenham, occurred at Devon Estate in December and was isolated.

Another case, a Tamil male, non-fatal, occurred at Bukit Asahan a few days later apparently from carrier infection from Bekoh (Johore.)

Vaccination.—This has been carried on as usual by the Vaccinators but in addition the Medical Officers of the M. A. M. B. have vaccinated most of the unvaccinated Tamil children on the estates.

The Vaccinators' figures were, perfect 3,184, modified 106, failures 8, not seen 8,597. Total vaccinations 11,895.

Quarantine Station.—The Camp at Mata Kuching was used.

It is practically impossible to use Pulo Upeh.

Ankylostomiasis.—Special instruction has been given to the Sanitary Inspectors on the subject of latrines and ankylostome infection.

Staff.—The appointment of two new Sanitary Inspectors has received provisional sanction but no appointments were made for 1920.

Instruction.—The Health Officer compiled a small pamphlet on simple sanitation on which occasional examinations have been held. The results of examinations show that the Sanitary Inspectors take an interest in their work.

The Health Officer has been indebted to the Medical Officers of the M. A. M. B. for help in the way of prompt and full reports of suspicious cases of illness.

APPENDIX E.

OUT-DOOR DISPENSARIES.

SINGAPORE.

(North Canal Road.)

REPORT BY MR. C. SINHA, L.M.S. (CAL.) *Assistant Surgeon in charge*.

1. The number of patients treated during the year was 5,386 with a total collection of \$1,258.80, as against 5,219 and \$1,209.05 in the year 1919.

The number of visits paid was 16,770, as compared with 10,262 in the year before.

The Dispensary was open for 297 days with an average daily attendance of 56.46, as against 52.83 in the previous year.

Of the 5,386 patients treated 4,108 were paying patients, 504 Government servants and their families, and 744 indigent and venereal patients.

2. The nationalities of those treated were as follows:—

| | | | | <i>Males.</i> | <i>Females.</i> |
|----------|-----|-----|-------|---------------|-----------------|
| | | | | — | — |
| European | ... | ... | ... | 46 | 2 |
| Eurasian | ... | ... | ... | 66 | 33 |
| Chinese | ... | ... | ... | 3,000 | 631 |
| Malay | ... | ... | ... | 210 | 84 |
| Indian | ... | ... | ... | 1,097 | 165 |
| Others | ... | ... | ... | 39 | 13 |
| | | | | — | — |
| | | | Total | 4,458 | 928 |
| | | | | — | — |

3. The principal diseases treated were:—

| | | | | | |
|--------------------|-----|-----|-----|-----|-----|
| Malaria | ... | ... | ... | ... | 353 |
| Pyrexia | ... | ... | ... | ... | 357 |
| Venereal Diseases | ... | ... | ... | ... | 476 |
| Bronchitis | ... | ... | ... | ... | 532 |
| Phthisis | ... | ... | ... | ... | 24 |
| Dysentery | ... | ... | ... | ... | 38 |
| Bowel complaints | ... | ... | ... | ... | 265 |
| Eye diseases | ... | ... | ... | ... | 116 |
| Ear diseases | ... | ... | ... | ... | 123 |
| Parasitic diseases | ... | ... | ... | ... | 385 |
| Skin diseases | ... | ... | ... | ... | 348 |
| Ulcers | ... | ... | ... | ... | 606 |

The Venereal diseases were as follows:—

| | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|
| Syphilis Primary | ... | ... | ... | ... | 182 |
| „ Secondary | ... | ... | ... | ... | 128 |
| „ Tertiary | ... | ... | ... | ... | 8 |
| Soft Chancre | ... | ... | ... | ... | 30 |
| Gonorrhœa and its complications | ... | ... | ... | ... | 100 |
| Bubo | ... | ... | ... | ... | 28 |

4. In addition there were also examined 6,167 police out-patients and a number of Chinese sent by the Assistant Protector of Chinese with a view to repatriation to China; some boys preliminary to their admission into the Reformatory; and a number of medico-legal cases.

5. Mr. SINHA relieved Mr. LEE KECK SOON on the 30th July.

KANDANG KERBAU.

Government Out-Door Dispensary.

1. Two thousand and two Government servants or dependents were treated and put in 3,104 attendances.

Government Out-Door Dispensary, Jalan Klapa.

REPORT FOR 1920, BY ASSISTANT SURGEON, LEE EE LIAT.

The number of patients treated at this Dispensary in 1920 was 2,868, against 2,791 in 1919; the total number of visits paid being 7,826 (against 8,022) giving an average daily attendance of 26·35 (against 22·38) for the 297 days during which the dispensary was open.

The cases consisted of:—

| | | | | | |
|-------------------|-----|-----|-----|-----|-------------------|
| Paying patients | ... | ... | ... | ... | 2,257 |
| Indigent patients | ... | ... | ... | ... | 611 |
| | | | | | <hr/> 2,868 <hr/> |

The receipts amounted to \$647.70.

The principal diseases treated and their numbers were:—

| | <i>Malaria.</i> | <i>Venereal.</i> | <i>Bronchitis.</i> | <i>Pyrexia.</i> | <i>Minor Injuries and Ulcers.</i> |
|----------|-----------------|------------------|--------------------|-----------------|---------------------------------------|
| 1920 ... | 366 | 264 | 281 | 353 | 644 |
| 1919 ... | 345 | 230 | 240 | 237 | 630 |

The nationalities of the patients and their numbers were:—

| | | | | <i>Males.</i> | <i>Females.</i> |
|----------|-----|-----|-----|-------------------|-------------------|
| Eurasian | ... | ... | ... | 67 | 41 |
| Chinese | .. | ... | ... | 1,262 | 151 |
| Malay | ... | ... | ... | 691 | 274 |
| Indian | ... | ... | ... | 329 | 42 |
| Others | ... | ... | ... | 8 | 3 |
| Total | ... | | | <hr/> 2,357 <hr/> | <hr/> 1,511 <hr/> |

I was in charge throughout the year.

PENANG.

Chowrasta Dispensary.

Appended is a comparative statement of the work done during the year 1920.

The patients treated during the year numbered 8,734, against 8,497 in 1919.

The Dispensary was open for 311 days; the daily average number of visits were 45.40, against 46.56 in 1919.

The total receipts amounted to \$639.30, an increase of \$67.15 on that of 1919.

The principal diseases treated as compared with the preceding year were:—

| | 1919. | 1920. |
|--------------------------|-------|-------|
| | — | — |
| Influenza | 82 | 29 |
| Malaria | 150 | 167 |
| Pyrexia | 2,075 | 1,736 |
| Rheumatism | 176 | 379 |
| Venereal Diseases | 405 | 391 |
| Bronchitis | 416 | 372 |
| Diarrhoea | 246 | 208 |
| Dyspepsia | 124 | 166 |
| Ulcers | 1,261 | 1,474 |
| Injuries | 523 | 755 |

The nationalities of those treated comprised:—

| | 1919. | 1920. |
|-------------------------|-------|-------|
| | — | — |
| European | 18 | 12 |
| Eurasian | 377 | 293 |
| Chinese | 2,015 | 2,337 |
| Malay | 2,560 | 2,837 |
| Natives of India | 3,424 | 3,017 |
| Others | 93 | 238 |

Assistant Surgeon J. H. L. WESTERHOUT was in charge from 1st January to 25th October and again from 13th November to the end of the year.

Assistant Surgeon GOPALAN acted from 25th October to 12th November.

Out-door Dispensary, Lumut.

The total number of cases treated was 658, as against 448 of the previous year. The average daily number of visits was 2.63. Of the total cases 243 were treated for Malaria.

The total receipts for the year was \$36.01.

Out-door Dispensary, Balik Pulau.

During the year 1,477 persons presented themselves for treatment as compared with 987 of the previous year. The receipts totalled \$262.75 as against \$187.25 in 1919.

PROVINCE WELLESLEY.

Out-door Dispensary, Butterworth.

(a) One thousand seven hundred and five cases were treated during the year, as against 1,456 in 1919. The number of visits paid was 3,251. The Government officers treated amounted to 753—the majority of these were employees of the Federated Malay States Railways. The receipts for the year amounted to \$432.50, as compared with \$306.66 for 1919.

(b) Principal diseases treated:—

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Malarial Fever | ... | ... | ... | ... | 153 |
| Bronchitis | ... | ... | ... | ... | 135 |
| Dysentery | ... | ... | ... | ... | 45 |
| Constipation | ... | ... | ... | ... | 44 |
| Asthma | ... | ... | ... | ... | 42 |
| Gastritis | ... | ... | ... | ... | 41 |
| Dyspepsia | ... | ... | ... | ... | 31 |
| Diarrhoea | ... | ... | ... | ... | 27 |
| Colic | ... | ... | ... | ... | 24 |
| Scabies | ... | ... | ... | ... | 22 |
| Syphilis | ... | ... | ... | ... | 21 |

(c) Nationalities of out-patients treated:—

| | | | | <i>Males.</i> | <i>Females.</i> |
|------------------|-----|-----|-----|---------------|-----------------|
| | | | | — | — |
| European | ... | ... | ... | 170 | 36 |
| Eurasian | ... | ... | ... | 87 | 44 |
| Chinese | ... | ... | ... | 320 | 48 |
| Malay | ... | ... | ... | 190 | 25 |
| Natives of India | ... | ... | ... | 651 | 132 |

Out-door Dispensary, Bukit Mertajam.

The number of patients treated during the year was 1,393 and receipts amounted to \$237.85, as compared with 1,010 patients and \$153.33 in the previous year.

The nationalities of the patients were:—

| | | | | <i>Males.</i> | <i>Females.</i> |
|----------|-----|-----|-----|---------------|-----------------|
| | | | | — | — |
| European | ... | ... | ... | 28 | 13 |
| Eurasian | ... | ... | ... | 24 | 10 |
| Chinese | ... | ... | ... | 456 | 144 |
| Indian | ... | ... | ... | 479 | 67 |
| Malay | ... | ... | ... | 138 | 30 |
| Others | ... | ... | ... | 1 | 3 |

The principal diseases treated were:—

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Malaria | ... | ... | ... | ... | 78 |
| Dysentery | ... | ... | ... | ... | 30 |
| Pyrexia | ... | ... | ... | ... | 353 |
| Rheumatism | ... | ... | ... | ... | 45 |
| Syphilis | ... | ... | ... | ... | 50 |
| Bronchitis | ... | ... | ... | ... | 152 |
| Dyspepsia | ... | ... | ... | ... | 33 |
| Diarrhoea | ... | ... | ... | ... | 22 |
| Wounds | ... | ... | ... | ... | 41 |
| Ascariasis | ... | ... | ... | ... | 35 |
| Influenza | ... | ... | ... | ... | 25 |

Medico-Legal.—The Coroner sent in 12 cases for post mortem examination. The Police sent in 110 cases for examination and treatment, and 8 cases were admitted under a Magistrate's Warrant for observation for lunacy.

Out-door Dispensary, Sungei Bakap.

Eight hundred and thirty-five patients were treated, as against 864 in 1919. The collection amounted to \$160.71 as against \$198.74 for the previous year.

The nationalities treated were :—

| | | | | <i>Males.</i> | <i>Females.</i> |
|------------------|-----|-----|-----|---------------|-----------------|
| | | | | — | — |
| European | ... | ... | ... | 18 | — |
| Eurasian | ... | ... | ... | 2 | 1 |
| Chinese | ... | ... | ... | 378 | 98 |
| Malay | ... | ... | ... | 78 | 11 |
| Natives of India | ... | ... | ... | 204 | 39 |
| Others | ... | ... | ... | — | 6 |
| Total | | | | 680 | 155 |

The principal diseases treated were as follows :—

| | | | | | |
|---------------------|-----|-----|-----|-----|-----|
| Helminthiasis | ... | ... | ... | ... | 49 |
| Malaria | ... | ... | ... | ... | 135 |
| Syphilis | ... | ... | ... | ... | 15 |
| Wounds and Injuries | ... | ... | ... | ... | 40 |
| Ulcers | ... | ... | ... | ... | 21 |

Out-door Dispensary, Nibong Tebal.

The Dispensary was open for the public and Government servants from 8 A.M. to 10 A.M. on Mondays, Wednesdays, and Fridays. There were 292 attendances.

| <i>Nationalities.</i> | | | | <i>Males.</i> | <i>Females.</i> |
|-----------------------|-----|-----|-----|---------------|-----------------|
| | | | | — | — |
| European | ... | ... | ... | 1 | ... |
| Eurasian | ... | ... | ... | 2 | ... |
| Chinese | ... | ... | ... | 81 | 10 |
| Malay | ... | ... | ... | 41 | 2 |
| Natives of India | ... | ... | ... | 146 | 6 |
| Others | ... | ... | ... | 1 | 2 |
| Total | | | | 272 | 20 |

The principal diseases treated were as follows :—

| | | | | | |
|---------------------|-----|-----|-----|-----|----|
| Malaria | ... | ... | ... | ... | 21 |
| Wounds and Injuries | ... | ... | ... | ... | 19 |
| Ulcers | ... | ... | ... | ... | 72 |

MALACCA.

Malacca Out-door Dispensary.

This was under the charge of Mr. R. M. NUNIS throughout the year. Three thousand five hundred and thirty-nine cases were treated in the Dispensary as contrasted with 3,254 in 1919.

The total amounts received for the year was \$162.63 as against \$145.15 in 1919.

| <i>Nationalities.</i> | | | | <i>Males.</i> | <i>Females.</i> |
|-----------------------|-----|-----|-----|---------------|-----------------|
| | | | | — | — |
| European | ... | ... | ... | 12 | 42 |
| Eurasian | ... | ... | ... | 832 | 676 |
| Chinese | ... | ... | ... | 501 | 165 |
| Malay | ... | ... | ... | 683 | 75 |
| Indian | ... | ... | ... | 426 | 121 |
| Others | ... | ... | ... | 4 | 2 |
| Total | | | | 2,458 | 1,081 |

Jasin Out-Door Dispensary.

Four hundred and twenty-five cases sought treatment, 334 males and 91 females. One hundred and eighty-nine were Government employees, 193 were paupers and the remaining 133 paying cases.

The total receipts for the year amounted to \$50.80

Alor Gajah Out-Door Dispensary.

During the year 394 cases received treatment in the Out-patient Dispensary. Males 361, females 33.

The total receipts amounted to \$33.50.

APPENDIX F.

QUARANTINE.

SINGAPORE.

REPORT BY DR. G. E. BROOKE, M.A., L.R.C.P., D.P.H., *Chief Health Officer.*

Shipping.

1. During the year 2,023 visits were paid to ships; 157,144 crew and 350,032 passengers examined.

Of these ships 16 were infected as follows:—

| <i>Port.</i> | <i>Cholera.</i> | <i>Plague.</i> | <i>Small-Pox.</i> | <i>C.S.M.</i> | <i>Influenza.</i> |
|-----------------|-----------------|----------------|-------------------|---------------|-------------------|
| — | — | ... | — | — | — |
| Madras ... | 2 | ... | 2 | ... | 2 |
| Calcutta | ... | ... | ... | ... | ... |
| Batavia ... | ... | ... | ... | 1 | ... |
| Vladivostock | ... | ... | 1 | ... | ... |
| Hongkong | 1 | ... | 1 | 2 | ... |
| Amoy and Swatow | ... | ... | ... | 1 | ... |
| Hoihow ... | 1 | ... | ... | ... | ... |
| Swatow ... | 1 | ... | ... | ... | ... |
| Colombo ... | ... | 1 | ... | ... | ... |
| Total ... | 5 | 1 | 4 | 4 | 2 |

2. Sixty-seven corpses on ships and sampans were duly inspected and sent to St. John's Island for post mortem examination where necessary.

3. Twenty out-going pilgrim ships were inspected—pilgrims inspected numbered 14,781—prior to their departure, and a Bill of Health issued in each case.

4. Thirty-five water boats were examined, and all found empty and clean.

5. Seventy-five patients presented themselves for treatment and were given leave or medicine or both where necessary.

6. All candidates for medical examination were sent to Kandang Kerbau or General Hospital to Medical Officer *i/c* officials.

7. Two prosecutions were undertaken:—

One against Adamson Gilfillan & Co. *re Arratoon Apcar* failing to land the required number of passengers: Case discharged.

The other against W. Mansfield & Co. *re Hupoh* on the same charge. They were fined \$10 for every man short and costs.

Both the *A. Apcar* and the *Hupoh* were infected ships. The former for Cerebro-spinal Fever and the latter Cholera.

8. The *Hygeia* and *Crow* were used on 670 occasions for disinfecting purposes.

Number of Disinfection Certificates issued, 655.

9. Bills of Health to the extent of 2,878 were issued representing a revenue of about \$14,000.

10. Two hundred and sixteen Exemption permits, and 46 Transport Coffin permits were issued.

11. Twelve bonds were signed by relatives and friends for surveillance ashore of passengers from quarantined ports.

12. Fifty-seven undertakings were issued to cabin passengers from infected ships to report ashore.

Quarantine Station, St. John's Island.

13. Total passengers admitted during the year were 31,991, the greatest number admitted in any one day being 1,794, the maximum number in residence on any one day 2,752; and the minimum number in residence on any one day 7.

14. Total sick treated in Hospital, *i. e.* total admissions during the year and patients remaining in Hospital on 31.12.19, were 353, the average daily number of sick in Hospital being 11.94, the maximum number in Hospital on any one day, 38; and the minimum number in Hospital on any one day 1.

15. The total deaths during the year were 86, the death-rate amongst total treated being 21.53 and the total number of deaths among cases treated 86.

16. Total number of cases of Cholera admitted were 14, of which six died, giving a death-rate of 42.85%.

Twelve of the cases were given intravenous injections, with a death-rate of 50%.

17. The total rainfall was 104.12 inches; the greatest rainfall in 24 hours was 7, 50 inches on 3.1.20. The total number of rainy days was 133.

18. One thousand three hundred and twenty-four vaccinations were performed at St. John's Island.

19. Nineteen corpses were sent from Singapore or ships for post mortem examination and burial.

20. Number of Municipal contacts and patients admitted.

| | | | | | |
|----------|-----|-----|-----|---|--|
| Contacts | ... | ... | ... | <div> Small-pox Plague Cholera Cerebro-spinal Fever </div> | <div> Nil. Nil. 98 192 </div> |
|----------|-----|-----|-----|---|--|

Number of Government contacts and patients admitted.

| | | | | |
|----------|-----|-----|-----|--|
| Contacts | ... | ... | ... | { Cholera 3 Cerebro-spinal Fever,, |
| Patients | ... | ... | ... | { Cholera one (toty) Observation 16 (staff) |

None of these contacts developed the disease.

21. The number of non-infected ships whose passengers subsequently developed infectious diseases on the Island was 3 out of 177; and the number of infected ships whose passengers subsequently developed infectious diseases on the Island was 3 out of 16.

22. 105,900 gallons of water were distilled during the year; and 1,238,400 gallons of water were procured from Singapore and pumped into the Reservoir.

Rural Districts.

23. *Statistics of Rural District.*

- (1) Estimated population, 62,305
- (2) Crude death-rate, 33.7 per mille
- (3) Crude birth rate 29., per mille
- (4) No. of vaccinations performed by Public Vaccinator, 1,889.

24. *Record of visits and inspections.*

- (1) Number of cases of communicable diseases investigated and dealt with, 13 of which 1 was cholera, 2 plague, 3 small-pox and 3 diphtheria

Number of surprise visits to Lepers 4

(2) Number of Sanitary surveys and inspections of Villages 33

(3) Number of visits to Markets, Bakeries and Dairies ... 5

(4) Number of visits paid to Rubber Estates and Quarries, etc. 82

(5) Number of inspections of Government buildings, school-houses, etc. 378

(6) Number of Mosquito surveys made 5

Number of visits for personal supervision of oil-spraying ... 4

(7) Number of Court cases attended 1

25. A Rural Health Officer was appointed in November and did much work in the Government House demesne and in rural districts before the close of the year.

26. *General Report on Rural District.*

- (1) *Rubber Estates, quarries, etc.*—Land Office lists which I have compiled show that there are at least 170 estates of over 25 acres in the Rural District, of these eight are managed by Europeans.

Owing to the depression in the Rubber trade many estates are disbanding coolies. In many cases the Chinese coolies have gone to live on the land as squatters and are making vegetable gardens near Bukit Simbawang Estate. Under these circumstances it is difficult to enforce health measures.

Most of the Europeans estates still keep a nucleus of their labour force. A report has been forwarded to the Controller of Labour on the conditions found in one of these estates showing typical evils which exist to greater or lesser degree in all the estates on the island.

A reply from the Controller of Labour on the recommendations mentioned in my report will create a precedent for action to be taken in other estates during the present slump.

Some Managers of the smaller estates have been interviewed and the recommendations made to them have in some cases been carried out.

The conditions of health on Pulau Ubin Island presents a most interesting problem. A Mosquito survey has borne out the assumption that *Anopheles maculatus* breeding in the fresh water seepage areas at the base of quarries is responsible for the epidemics of Malarial fever on this island. I have suggested a method of overcoming this outcrop by making use of a simple subsoil drain in certain areas.

It is interesting to note that wooden shanties are being erected near Paya Lebar for occupation by Europeans of impoverished means.

The position and sanitation of these huts will certainly be inimical to the health of Europeans attempting to live there.

- (2) *Villages*.—There are at least 24 places in the rural district of sufficient size and importance to be called villages.

All show signs of sanitary neglect.

Flies are numerous and breed close to the shops.

Mosquito-breeding places, particularly those of *Stegomyia*, are commonly to be found.

- (3) *Water supply*.

The wells in the rural district particularly those in the villages are liable to contamination.

At present the majority of householders living in Siglap area draw precarious supplies from the nearest Municipal water tap at a very high cost.

- (4) *Sewage Disposal*.

Night-soil is still used in considerable quantity by the Chinese gardeners. There is usually very little method in the removal of latrine buckets. In the more populous districts open cesspits are commonly found. In the estates, the swamps are often used for depositing night-soil.

- (5) *Garbage Disposal*.

The work of garbage removal from the villages has in the past been in the hands of the P. W. D. Scavengers are employed and their work supervised by road overseers.

- (6) *Milk Supply*.

There is a considerable amount of milk collected in the rural district; very little of this milk is however sold in the district.

- (7) *Anti-mosquito Work*.—Weekly oil spraying of *Anopheles* breeding grounds in McKenzie Road appear already to have had some effect in improving the health of the Government coolies living in that place.

The differentiation of Anopheline species has been carried out in the Health Officer's laboratory.

REPORT BY DR. W. W. MARTIN, *Port Health Officer, Penang, for the year 1920.*

Port.

Four hundred and thirty-two ships were inspected and 53,357 crew units and 154,067 passengers were examined.

Ten Pilgrim Ships carrying 7,468 pilgrims to Jeddah were examined.

Six Pilgrim Ships carrying 6,794 pilgrims from Jeddah arrived. There was no Dangerous Infectious Disease on these ships.

Seventeen thousand three hundred and seventy-two Chinese Immigrants and 78,855 Indian Immigrants arrived during the year.

Seven ships arrived here infected as follows:—

S. S. Tara on 30-1-20 with Cholera.
 S. S. Madras on 12-3-20 with Cholera.
 S. S. Bangala on 17-3-20 with Influenza.
 S. S. Tara on 15-4-20 with Influenza.
 S. S. Perlis on 28-4-20 with Cholera.
 S. S. Bharata on 10-10-20 with Small-pox
 S. S. Elephanta on 27-12-20 with Cholera.

The Disinfecting Launch "Kite" was used 156 times. A higher scale of fees was introduced during the year.

Ten Permits to bury ashore corpses from ships and tongkangs, 24 Permits to import, tranship or export coffins, 602 Bills of Health, 14 Hide export certificates and 150 Disinfection certificates were issued during the year.

Quarantine Station, Pulau Jerejak.

During the year 43,733 passengers from 150 ships were admitted to the Station. Of these 38,428 were I. I. D. coolies and 5,305 deck passengers, as compared with 37,030 I. I. D. coolies and 8,542 deck passengers of last year.

The following cases were treated at the hospital:—

| | | | | | |
|----------------|-----|-----|-----|-----|-------|
| Cholera | ... | ... | ... | ... | 8 |
| Influenza | ... | ... | ... | ... | 559 |
| Malaria | ... | ... | ... | ... | 606 |
| Dysentery | ... | ... | ... | ... | 109 |
| Measles | ... | ... | ... | ... | 47 |
| Chicken-pox | ... | ... | ... | ... | 37 |
| Pneumonia | ... | ... | ... | ... | 33 |
| Small-pox | ... | ... | ... | ... | 4 |
| Other Diseases | ... | ... | ... | ... | 766 |
| Total | | | | | 2,169 |

Besides these 1,741 were treated as outdoor cases. There were 176 deaths, as compared with 522 in 1919. Of these 37 died within 48 hours of admission excluding these the death rate is 3.17 per mille.

Vaccination—41,130 vaccinations were done during the year. The percentage of success being 72.

Influenza—604 cases were treated with 65 deaths, as compared with 1,348 cases with 168 deaths last year.

The total rainfall was 20.41½ for 94 days.

The greatest fall on 1 day .82 on 14.10.20.

The water-supply remained excellent.

The health of the staff was satisfactory.

Public Works Department—During the latter part of the year the work of replacing the corroded corrugated iron walls of the camps by concrete walls was begun. Only two camps remain to be done.

Five small temporary camps holding 75 persons each were completed for the housing of small complements of passengers.

The average daily number of persons in Quarantine was 932, compared with 720 in 1918 and 1,189 in 1919.

Mr. MEHTA was in charge throughout the year.

Mr. O'SULLIVAN assumed the duties of Lay Superintendent on 1st April.

Rural Area

The following cases of Dangerous Infectious Diseases occurred in the Settlement during the year.

| | <i>Cholera.</i> | <i>Small-pox.</i> | <i>Plague.</i> |
|-----------------------|-----------------|-------------------|----------------|
| Penang (Municipality) | Nil. | 20 | Nil. |
| Penang (Rural Area) | " | 14 | " |
| Province Wellesley | 3 | 6 | " |
| Dindings | " | 59 | " |
| Total | 3 | 99 | ... |

Of the 14 cases of Small-pox which occurred in the Rural Area 12 were in the neighbourhood of Sungei Nibong. Use was made of a Malay house previously created by the Malays for this purpose as an Infectious Disease Hospital in this connection.

Two hundred thirty one notices to report for vaccination were issued.

Total number of vaccinations performed in the Rural Area was 1,009.

The writer was instructed on 21 occasions to visit and report on sites and other matters and also on 2 occasions to report on the Government and private houses on the hill in connection with their water-supply and the prevention of mosquito breeding.

On March 1st, the writer took over the duties of Port Health Officer, Penang, and Officer-in-charge of Leper Asylum and Quarantine Station, with instructions to act as Senior Health Officer in charge of Rural Area, Penang.

CONDENSED REPORT OF 16 YEARS' WORK.

Harbour and Quarantine, Penang.

| Years. | Vessels. | Units of crews and passengers inspected. | Passengers landed on Quarantine Station. | Small-pox treated. | Cholera treated. | Plague treated. | Daily average Quarantine Station. | Vaccinations. |
|----------|----------|--|--|--------------------|------------------|-----------------|-----------------------------------|---------------|
| 1905 ... | 869 | 214,136 | 10,406 | 10 | 1 | ... | 171 | ... |
| 1906 ... | 675 | 204,988 | 23,288 | 16 | 8 | 2 | 461 | 6,490 |
| 1907 ... | 633 | 219,839 | 17,650 | 4 | 24 | 1 | 116 | 5,652 |
| 1908 ... | 1,205 | 176,119 | 21,175 | 51 | 9 | 2 | 366 | 5,691 |
| 1909 ... | 503 | 161,971 | 23,059 | 25 | 2 | 1 | 359 | 5,614 |
| 1910 ... | 526 | 217,967 | 71,876 | 62 | 33 | 2 | 1,584 | 12,205 |
| 1911 ... | 1,144 | 277,151 | 134,957 | 109 | 387 | 1 | 3,740 | 63,988 |
| 1912 ... | 634 | 287,373 | 55,493 | 75 | 4 | 4 | 1,111 | 38,297 |
| 1913 ... | 818 | 272,473 | 53,937 | 11 | 12 | 1 | 120 | 37,276 |
| 1914 ... | 1,040 | 215,067 | 48,399 | 171 | 9 | ... | 116 | 32,609 |
| 1915 ... | 405 | 148,662 | 23,176 | 3 | ... | ... | 478 | 21,562 |
| 1916 ... | 662 | 213,726 | 42,736 | 11 | 1 | ... | 817 | 36,806 |
| 1917 ... | 367 | 203,757 | 37,595 | 11 | 12 | ... | 820 | 36,808 |
| 1918 ... | 551 | 173,813 | 33,481 | 7 | 80 | ... | 720 | 29,536 |
| 1919 ... | 493 | 210,839 | 50,733 | 6 | 264 | ... | 1,189 | 39,941 |
| 1920 ... | 432 | 207,424 | 43,733 | 4 | 8 | ... | 932 | 41,230 |

APPENDIX G.

GOVERNMENT ANALYST'S DEPARTMENT, SINGAPORE.

REPORT BY DR. FRANKLAND DENT, M.Sc., Ph.D., F.I.C., *Government Analyst, Straits Settlements.*

The following table shows the Revenue and Expenditure for the year 1920, and, for comparison, the Revenue collected during the preceding year:—

| Revenue. | 1919. | 1920. | Expenditure, 1920. | |
|--------------------------|-----------|----------|------------------------------|-----------|
| <i>Fees of Office.</i> | \$ c. | \$ c. | | \$ c. |
| Petroleum Inspection ... | 2,740 00 | 2,735 00 | Personal Emoluments <i>a</i> | 19,457 90 |
| Miscellaneous ... | 7,630 50 | 5,850 50 | Stores from England <i>b</i> | 500 00 |
| | | | Miscellaneous ... | 521 34 |
| Total ... | 10,370 00 | 8,585 50 | Transport Allowances | 326 20 |
| By sale of Pyridine ... | 1,117 75 | 2,215 00 | Total ... | 20,805 44 |

(a) Including Arrears for 1919. (b) Estimated.

Petroleum.

(a) KEROSENE.

The following table gives a comparison between the quantities tested on importation into the Island of Singapore during the years 1919 and 1920:—

| Description of Oil. | | 1919. | | | 1920. | | |
|---------------------|----------------|-------------------------|---------|-------|-------------------------|---------|-------|
| | | Number of Consignments. | Tins. | Tons. | Number of Consignments. | Tins. | Tons. |
| <i>Case Oil.</i> | | | | | | | |
| American Oil. | { Devoe's ... | 1 | 40,000 | ... | ... | ... | ... |
| | { S. Arrow ... | 2 | 60,000 | ... | ... | ... | ... |
| | { Tiger ... | ... | ... | ... | 1 | 3,998 | ... |
| Langkat Oil. | { Crown ... | 109 | 391,334 | ... | 126 | 420,731 | ... |
| | { Dragon ... | 21 | 58,328 | ... | 21 | 69,605 | ... |
| | { Cross ... | 18 | 18,700 | ... | 22 | 22,119 | ... |
| | { L. Glass ... | 7 | 7,600 | ... | 4 | 6,316 | ... |
| Borneo Oil ... | { Fish ... | 15 | 20,072 | ... | 11 | 20,418 | ... |
| | ... | 8 | 3,474 | ... | ... | ... | ... |
| Total ... | | 181 | 599,508 | ... | 185 | 543,187 | ... |

Seven consignments were tested for flash-points and certificates issued for kerosine consigned to Hongkong, Shanghai and Manila.

(b) MINERAL TURPENE.

1,700 Tins were imported into Singapore, as compared with 1,686 tins in 1919.

(c) LIQUID FUEL.

74 Samples were tested for their flash-points as against 96 in 1919.

(d) TESTING VESSELS FOR DANGEROUS PETROLEUM VAPOUR.

Forty-three vessels as against 40 in 1919 were tested for inflammable vapour by means of Redwood's Standard Instrument, either before being allowed to enter Port Limits under Rule 23, made under "The Petroleum Ordinance, 1908" or to enter Dry Dock under By-law 77 of "The Straits Settlements Ports Ordinance, 1912".

Explosives.

Six consignments were tested on importation into Singapore in accordance with the Rules under "The Arms and Explosives Ordinance, 1913".

All passed the prescribed tests.

The following table gives the details of these, and, for the purpose of comparison, those imported and tested during the two preceding years:—

| Year. | Number of consignments. | Number of packages of 50 lbs. each. | | | | Total. |
|----------|-------------------------|-------------------------------------|------------|--------------------|--------------------|--------|
| | | Dynamite. | Gelignite. | Blasting Gelatine. | Gelatine Dynamite. | |
| 1918 ... | 6 | 1,550 | 3,167 | ... | 1,713 | 6,430 |
| 1919 ... | 7 | 400 | 1,200 | 1,000 | 120 | 2,720 |
| 1920 ... | 6 | 1,550 | 2,120 | 1,550 | ... | 5,220 |

One hundred and fifty kegs and 70 boxes of Gunpowder and 75 cases of Detonators were also imported during the year.

Minerals, Metals, etc.

Ten samples of local minerals, including amongst others, Coal, Copper and Tin Ores, Scheelite, Graphite, etc., were assayed during the year.

Six samples were sent in for identification.

In addition, also several Gold Coins, Studs and Gold Leaf were sent in by the Police for assay.

Liquors.

The chemical work under the Liquors Revenue Ordinance, formerly carried out in the Laboratory at the Opium Factory, was taken over by this Department on March 6th.

Eight thousand two hundred and seventy-nine samples of Liquors, mainly Chinese Samsoo, were tested for their spirit strengths for the purpose of levying duty.

Twenty-three of these proved to be either simply arrack or a mixture of arrack and water.

In addition, 3 samples of dried Samsoo, 1 of Brown Spirit and 4 of Toddy were examined.

One hundred and sixty-eight samples of Brandy were sent in for classification.

(a) METHYLATED SPIRITS.

Five hundred and nineteen Drums, equal to approximately 72,576 gallons of arrack were methylated for industrial purposes, as against 609 Drums, equal to approximately 76,913 gallons in 1919.

Eight samples were sent in by the Monopolies Department for determination of their spirit strengths.

Counterfeit Coins.

Six sets of Exhibits for counterfeiting Subsidiary Silver Coins were sent in by the Police.

Owing to the present impossibility of obtaining German Britannia metal spoons for making the coins, printer's metallic spacing blocks, composed of type-metal, were largely used.

Examination of Prisoners.

Thirteen prisoners were brought to the Laboratory for the examination of their persons and clothes for stains likely to connect them with the manufacture of counterfeit coins.

Chemicals and Drugs.

Four Samples of Acetic Acid were sent in for examination.

(a) DELETERIOUS DRUGS.

Six sets of Exhibits were sent in.

Toxicology.

Twenty-four Specimens of Stomach Contents, Washings, etc., were received from the various hospitals in Singapore and Malacca. Alcohol and Morphine were each detected in two cases and Chloral and Opium each in one case.

In a specimen sent by the C. P. O., Johore, 730 grains of White Arsenic were recovered.

6 Specimens were sent in by the Government Veterinary Surgeon, Singapore.

Poisons.

7 Sets of Exhibits were received from the Police.

In 2 cases from Jesselton and Labuan, respectively, Arsenic was detected. Chloral and Calomel, the latter to the extent of $3\frac{1}{2}$ grains, were detected in 2 local sets of exhibits.

Urine.

23 Specimens were sent in for examination.

Water.

7 Samples were sent in for analysis and report as to their suitability for drinking purposes.

Milk.

15 Samples were received from the various hospitals. They included one sample of human milk.

Only one sample was found to be adulterated by the addition of water.

Damaged Goods.

9 Samples were sent in by various firms for proof as to whether they had been damaged by sea-water or otherwise.

Miscellaneous.

Other samples, not included under any of the above heads, which were sent in for analysis and report, included:—16 Test Meals, 3 samples each of Rubber and Oil Cake, 1 of Guano and 15 of Persian Opium. A Knife and Sheath for blood-stains, 2 bottles of Air taken from the s/s *Altenturg*, 2 samples of Sewage Effluent and 1 set of exhibits including various pieces of Cotton Yarn and a Torch, all soaked with kerosene in a case of attempted arson.

Staff.

Mr. J. W. HADDON, Assistant Analyst, was in charge of the Opium Factory during the year. Owing to this and the impossibility of getting a 2nd Assistant Analyst from home on the terms offered, the whole of the laboratory work had to be carried out by myself and my two Laboratory Assistants, Messrs. LIM CHOON SENG AND TAN YONG HENG. The latter was appointed on the 1st of March, when the bulk of the chemical work done formerly in the laboratory of the Opium Factory was taken over by this Department.

GOVERNMENT ANALYTICAL DEPARTMENT, PENANG.**REPORT BY MR. J. C. COWAP, B.SC., F.I.C., Deputy Analyst, Penang**

Details of Revenue and Expenditure for the Department for the year 1920 are given in the following table with the Revenue for 1919 for comparison.

| Revenue. | 1919. | 1920. | Expenditure, 1920. |
|--|----------|----------|---|
| | \$ c. | \$ c. | \$ c. |
| Petroleum Inspection Fees | 2,240 75 | 2,851 00 | Personal Emoluments 8,792 00 |
| Miscellaneous ... | 502 75 | 1,169 50 | Stores ... 350 00 |
| Certificate for Export of Petroleum Fees ... | 279 00 | 266 50 | Miscellaneous ... 193 00 |
| | | | Transport & Traveling Allowances ... 226 00 |
| Total ... | 3,022 50 | 4,287 00 | Total ... 9,561 00 |

Three hundred and seventy-two Reports on general Analytical work were issued together with 146 reports on Petroleum Tested.

Petroleum.

The following table shows the amount of kerosene and heavy petroleum imported into the Settlement and tested during the year.

A. KEROSENE.

| | No. of consignments. | Tons. | Gallons. |
|-------------------------|----------------------|--------|-----------|
| East Indian Bulk Oil | 28 | 11,263 | ... |
| East Indian Oil in Tins | 23 | ... | 136,648 |
| American Bulk Oil | 3 | ... | 2,960,000 |
| Total ... | 54 | 11,263 | 3,096,648 |

B. HEAVY PETROLEUM.

| | | | |
|----------------------|----|-------|--------|
| East Indian in Bulk | 11 | 4,547 | |
| East Indian in Drums | 17 | ... | 38,935 |

C. DANGEROUS PETROLEUM.

Seventy-seven shipments of Motor Spirit amounting in all to 960,132 gallons were examined. Of this 9,200 gallons was aviation spirit.

Spirits.

The alcoholic strength of 1,025 samples of imported or locally manufactured spirit was determined for the Monopolies Department. In addition, towards the end of the year this office took over on behalf of the Kedah Government the examination of spirits imported into Kedah and 144 samples were so examined. Practically all these spirits were of Chinese manufacture.

Ninety-nine samples of other spirits were examined. These consisted chiefly of brandies which were analysed in order to decide whether they were genuine brandy or not, a matter of considerable importance from both a health and revenue point of view. A remarkably large proportion of the "brandies" sold locally were found to consist of plain spirit.

Opium, Chandu and Bhang.

Sixty-nine reports were made on the results of analyses of opium, chandu and bhang.

Eighty-eight lots of chandu dross weighing together 5,600 Tahils were examined for the Kedah Government. This was done in order to systematise the payment of "drawback" for chandu dross to the chandu-shop keepers.

Similarly the whole of the chandu dross bought from the shopkeepers by the Penang Monopolies Department was inspected.

Milk.

One hundred and eight samples of milk were analysed. Nearly all were selected samples purchased by the Municipal Inspectors from local milk sellers and hence a large proportion contained added water.

The following table gives an idea of the extent to which this adulteration is practised:—

| | | | |
|--|-----|-----|----|
| Samples containing over 80 per cent of added water | ... | ... | 1 |
| Samples containing between 70 per cent and 80 per cent added water | ... | ... | 1 |
| " " " 60 " " 70 " " | ... | ... | 2 |
| " " " 50 " " 60 " " | ... | ... | 7 |
| " " " 40 " " 50 " " | ... | ... | 19 |
| " " " 30 " " 40 " " | ... | ... | 21 |
| " " " 20 " " 30 " " | ... | ... | 16 |
| " " " 10 " " 20 " " | ... | ... | 13 |
| " " " 0 " " 10 " " | ... | ... | 9 |

Toxicology.

Specimens of human viscera etc., were examined in 8 cases. Two contained opium and two atropine.

In a case of mass poisoning (without fatal results) the toxic agent was found to be tin, derived probably from tinned food.

Bloodstains.

Thirty-one exhibits were submitted by the Police for the detection of blood stains.

Water.

Forty-six samples of water intended to be used for drinking or industrial purposes were examined during the year.

Counterfeit Coins, etc.

The exhibits received from the Police under this heading included 571 ten-cent pieces with moulds and other implements for counterfeiting coins.

One case of counterfeiting 10-cent notes was investigated and another case of printing and using as genuine paper wrappers similar to those used by the Monopolies Department for wrapping chandu packets.

An interesting case was one in which gold and silver ornaments were alleged to have been made by melting down coinage. Analysis of the ornaments showed that the accused were innocent.

Explosives.

Four shipments of explosives representing 55,000 lbs. were imported and inspected.

Miscellaneous.

The miscellaneous samples analysed included soda ash, morphine sulphate, quinine sulphate, sodium sulphite, chloroform, copra oil, croton seed, patchouli leaves, stomach contents, patent medicines, pepper, tea, cummin seed, margarine, sugar etc.

Staff.

I was in charge throughout the year.

APPENDIX H.**REPORT ON THE KING EDWARD VII MEDICAL SCHOOL,
SINGAPORE, FOR 1920.**

[BY DR. G. H. MACALISTER, M.A., M.D., D.P.H., (Cantab.), Principal.]

School Council.—Dr. S. H. R. LUCY returned from leave in March and replaced Dr. F. B. CROUCHER as President of the Council. On the retirement of Dr. LUCY, Dr. G. E. BROOKE, Acting Principal Civil Medical Officer, became Acting President of the Council.

School Staff.—Dr. G. H. MACALISTER returned from special leave in January and resumed duties as Principal of the School, replacing Dr. G. A. FINLAYSON.

Lieut. Col. HULL was appointed temporarily Professor of Anatomy as from January 1st. On the arrival of Dr. H. M. HOLT in August to assume the duties of Professor of Anatomy, Lieut. Col. HULL was transferred to the post of Lecturer in Clinical Surgery.

Dr. P. L. LOH was appointed Obstetric Tutor as from January 1st. Mr. J. SUARES acted as assistant to the Professor of Anatomy from July to December.

Dr. CAMPBELL, Professor of Physiology, went on sick leave in August and was relieved by Dr. R. B. MACGREGOR.

Dr. MURRAY ROBERTSON, Lecturer on Materia Medica and Therapeutics, retired in August. He had been associated with the school since its foundation in 1905 and his departure is much regretted by staff and students.

Dr. G. A. FINLAYSON, Government Pathologist, was on leave from January to August and the Principal of the School acted as Government Pathologist and Lecturer on Pathology in addition.

Students.--Discipline has been uniformly good throughout the year, and there are no suspensions, dismissals, superannuations or resignations to report. A student representative committee has been appointed to voice the interests of the students and to confer with the Principal upon matters affecting their welfare.

Eleven students qualified for the L. M. S. Diploma and fourteen joined for the full course. Of the former, four have joined the Colonial, and five the Federal service, while two have gone into private practice. There are now one hundred and eleven students in the school, and the number of licentiates amounts to 121.

The hospital assistants' course has been discontinued.

Two pharmaceutical students obtained the Dispenser's Licence.

No Dental certificates were issued, the granting of these remaining in suspense pending revision of the regulations.

General.—The March Professional examinations were "inspected" by the General Council of Medical Education and Registration for the United Kingdom. Lists of examiners, examination papers, questions and answers, and detailed results showing the system of marking and the manner in which the written examination is supplemented by clinical, oral and practical tests, were forwarded to that body.

The examinations were found to be satisfactory, and the standard "sufficient" in the meaning of the Medical Act, 1886.

A quantity of new apparatus for the furnishing of the physiological and clinical departments was received, and the re-equipment of the former is approaching completion.

Financial.—The Government contribution as provided in the estimates was supplemented by a Grant-in-Aid of \$22,000, which permitted of the remuneration of lecturers and examiners on the scale sanctioned in 1919.

Only a small portion of the Grant for Purchase of Apparatus was expended in 1920, as the orders were not completed at the close of the Financial Year.

School Fund.—The closing balance-sheet showed an excess of assets over liabilities of \$88,696.59. The value of investments was \$79,005.07. There is therefore an excess of some nine thousand dollars over the amount required by statute to constitute the school Permanent Fund.

The receipts during the year amounted to \$13,134.92, including \$5,414.71 from interest on investments, and \$2,615 from students' fees.

Memorial Fund.—The excess of assets over liabilities was \$127,739.56, the value of investments being \$107,800. The interest on investments amounted to \$7,590.94, and the disbursements to \$7,385 56.

APPENDIX I.

PATHOLOGICAL DEPARTMENT.

REPORT BY DR. G. A. FINLAYSON, M.B., Ch.B., M.R.C.P.,
Government Pathologist.

Laboratory, Sepoy Lines.

| | | | |
|--|----------------------|-----|-------|
| Total number of specimens examined | ... | ... | 4,320 |
| Widal reaction for "Enterica" | ... | ... | 818 |
| Typhoid fever | positive reaction | ... | 138 |
| | partial " | ... | 230 |
| | negative " | ... | 377 |
| Para-typhoid A | partial " | ... | 6 |
| | negative " | ... | 23 |
| Para-typhoid B | positive " | ... | 2 |
| | partial " | ... | 7 |
| | negative " | ... | 35 |
| Widal reaction for Dysentery-bacillary | ... | ... | 2 |
| | positive " | ... | 1 |
| | negative " | ... | 1 |
| Malaria | ... | ... | 111 |
| | parasite present | ... | 27 |
| | " absent | ... | 84 |
| Diphtheria | ... | ... | 51 |
| | organism present | ... | 25 |
| | " absent | ... | 26 |
| Gonococcus | ... | ... | 21 |
| | organism present | ... | 6 |
| | " absent | ... | 15 |
| Syphilis | Wassermann reaction | ... | 2,529 |
| | positive " | ... | 1,085 |
| | partial " | ... | 339 |
| | negative " | ... | 1,031 |
| | an-ticomplementary | ... | 74 |
| Sputum for T. B. | ... | ... | 79 |
| | Bacillus present | ... | 20 |
| | " absent | ... | 59 |
| " for Pneumococcus | ... | ... | 22 |
| | Diplococcus present | ... | 18 |
| | " absent | ... | 4 |
| Leprosy smears | ... | ... | 53 |
| | Bacillus present | ... | 19 |
| | " absent | ... | 34 |
| Meningo Coccus | cerebro-spinal fluid | ... | 55 |
| | coccus present | ... | 15 |
| | " absent | ... | 40 |
| Plague | ... | ... | 30 |
| | Bacillus present | ... | 15 |
| | " absent | ... | 15 |

| | | | | |
|------------------------------------|---------------------------------|-----|-----|-----|
| Fæces | | ... | ... | 183 |
| | Amoeba Histolytica | ... | ... | |
| | present | ... | 7 | |
| | absent | ... | 51 | |
| | Ova | ... | 14 | |
| | absent | ... | 14 | |
| | B. Dysenteriae | ... | ... | |
| | positive | ... | 1 | |
| | negative | ... | 53 | |
| | B. Typhosus | ... | 16 | |
| | Cholera | ... | 10 | |
| | positive | ... | 17 | |
| | negative | ... | ... | |
| Urine | | ... | ... | 165 |
| | casts, albumen etc., etc., etc. | ... | 109 | |
| | organisms | ... | 56 | |
| Varied specimens | | ... | ... | 201 |
| | Vaccines prepared | ... | 15 | |
| | Smears for Treponema, etc. | ... | 8 | |
| | Differential leucocytic count | ... | 17 | |
| | Blood culture | ... | 4 | |
| Histological sections | ... | ... | ... | 52 |
| Examination of catgut | ... | ... | ... | 2 |
| „ pus ... | ... | ... | ... | 47 |
| „ water supplies | ... | ... | ... | 54 |
| Precipitation test for human blood | ... | ... | ... | 2 |

Mortuary, Sepoy Lines.

Total Number of autopsies ... 272

Return showing immediate cause of death.

| | | | | |
|----------------------------|-----|-----|-----|-----|
| Beri-beri | ... | ... | ... | 2 |
| Lobar Pneumonia | ... | ... | ... | 16 |
| Malaria | ... | ... | ... | 23 |
| Black-water fever | ... | ... | ... | 1 |
| Cholera | ... | ... | ... | 5 |
| Plague | ... | ... | ... | 8 |
| Tuberculosis | ... | ... | ... | 19 |
| Enteric fever | ... | ... | ... | 6 |
| Dysentery | ... | ... | ... | 12 |
| Eclampsia | ... | ... | ... | 1 |
| Neoplasm | ... | ... | ... | 3 |
| Burns | ... | ... | ... | 1 |
| Hanging | ... | ... | ... | 4 |
| Suffocation | ... | ... | ... | 1 |
| Poisoning | ... | ... | ... | 2 |
| Drowning | ... | ... | ... | 14 |
| Peritonitis (suppurative) | ... | ... | ... | 8 |
| Septicaemia | ... | ... | ... | 2 |
| Other septic conditions | ... | ... | ... | 4 |
| Diseases of Nervous system | ... | ... | ... | 6 |
| „ Respiratory „ | ... | ... | ... | 31 |
| „ Circulatory „ | ... | ... | ... | 15 |
| „ Alimentary „ | ... | ... | ... | 11 |
| „ Genitourinary system | ... | ... | ... | 5 |
| Accidents, etc. | ... | ... | ... | 68 |
| Too decomposed | ... | ... | ... | 4 |
| Total | | | | 272 |

Mortuary, Tan Tock Seng's Hospital.

Total number of complete autopsies ... 687

As in previous years a considerable number of partial examinations were conducted to confirm the clinical diagnosis.

Return showing immediate cause of death.

| | | | | | |
|----------------------------|-----|-----|-----|-----|-----|
| Beri-Beri | ... | ... | ... | ... | 11 |
| Lobar pneumonia | ... | ... | ... | ... | 61 |
| Malaria | ... | ... | ... | ... | 62 |
| Cholera | ... | ... | ... | ... | 6 |
| Plague .. | ... | ... | ... | ... | 7 |
| Tuberculosis | ... | ... | ... | ... | 74 |
| Enteric fever | ... | ... | ... | ... | 16 |
| Dysentery | ... | ... | ... | ... | 96 |
| Neoplasm | ... | ... | ... | ... | 29 |
| Lymphatic leukaemia | ... | ... | ... | ... | 1 |
| Anchylostomiasis | ... | ... | ... | ... | 15 |
| Schistosomiasis | ... | ... | ... | ... | 2 |
| Diphtheria | ... | ... | ... | ... | 1 |
| Hanging | ... | ... | ... | ... | 4 |
| Drowning | ... | ... | ... | ... | 2 |
| Suffocation | ... | ... | ... | ... | 1 |
| Peritonitis, suppurative | ... | ... | ... | ... | 19 |
| Septicæmia | ... | ... | ... | ... | 2 |
| Other septic conditions | ... | ... | ... | ... | 39 |
| Syphilis | ... | ... | ... | ... | 2 |
| Diseases of Nervous system | ... | ... | ... | ... | 19 |
| „ Respiratory system | ... | ... | ... | ... | 84 |
| „ Circulatory system | ... | ... | ... | ... | 44 |
| „ Alimentary system | ... | ... | ... | ... | 34 |
| „ Genito-urinary system | ... | ... | ... | ... | 20 |
| Accidents | ... | ... | ... | ... | 34 |
| Senility | ... | ... | ... | ... | 2 |
| Too decomposed | ... | ... | ... | ... | 2 |
| Total | ... | ... | ... | ... | 687 |

Remarks.—What may appear of interest is a comparative table showing the principal causes of death at Tan Tock Seng Hospital.

| <i>Year.</i> | <i>P. M. Number.</i> | <i>Malaria.</i> | <i>Dysentery.</i> | <i>Tuberculosis.</i> | <i>Beri-beri.</i> |
|--------------|----------------------|-----------------|-------------------|----------------------|-------------------|
| 1907 | 1,083 | 212 | 212 | 152 | 50 |
| 1910 | 1,743 | 352 | 299 | 187 | 134 |
| 1914 | 1,050 | 90 | 221 | 165 | 65 |
| 1917 | 922 | 99 | 177 | 139 | 103 |
| 1920 | 1,306 | 182 | 188 | 277 | 14 |

The striking feature is the great decline in the incidence of and death from Beri-beri; due, no doubt, to the aetiological factor mentioned by Dr. A. J. McClosky, Acting Principal Medical Officer, Federated Malay States, in a pamphlet recently distributed, viz. the use of parboiled or under-milled rice instead of polished rice.

The ravages of the tubercle bacillus are still maintained and the lesions observed in the lung are, for the most part, of an acute fulminating type. The resistance offered by the tissues of the average Chinese coolie to the inroads of the organism must be extremely slight.

Dr. G. B. MACALISTER was in charge of the Department during my absence on furlough (January 11th to August 30th). Mr. V. GOPALAN was lent for duty on December 8th to allow of Mr. S. N. BARDHAN proceeding on leave at an early date.

APPENDIX J.

REPORT OF THE MEDICAL DEPARTMENT, LABUAN,
FOR THE YEAR 1920.

Report by Dr. V. B. KYLE, M.B., (Dublin), Medical Officer.

Population and Health.—

| Year. | | | Estimated Population. | Births. | Deaths. | Birth-rate. | Death-rate. |
|-------|-----|-----|--------------------------|---------|---------|-------------|-------------|
| 1918 | ... | ... | 6,848 | 249 | 198 | 36.36 | 28.91 |
| 1919 | ... | ... | 6,922 | 219 | 140 | 31.03 | 20.22 |
| 1920 | ... | ... | 6,970 | 206 | 152 | 29.55 | 21.80 |

The Birth and Death rates were highest during the second Quarter. Of the total number of deaths, Malaria accounted for 30, Pneumonia 4, Debility and Age 20, Convulsions 23, Phthisis 39, Unknown and Others 36.

The following table shows the Infantile Mortality under one year of age:—

| Year. | | | Deaths. | Deaths per 1,000 born. |
|-------|-----|-----|---------|------------------------|
| 1918 | ... | ... | 59 | 230 |
| 1919 | ... | ... | 29 | 130 |
| 1920 | ... | ... | 31 | 150 |

There were 6 still-births during the year as against 1 in 1919.

Malaria.—Sixty cases were admitted during the year as against 55 in 1919.

One hundred and seventy-two cases were treated as out-patients against 107 in 1919. Of the total number of deaths, 30 were attributed to this disease as against 26 in 1919.

A sum of \$826.40 was spent by the Rural Board for clearing, in connection with Anti-Malaria works.

Beri-beri.—No cases were treated during the year. This disease has disappeared from Labuan for the past 3 years.

Pulmonary Tuberculosis.—There were 10 cases treated in hospital during the year as against 4 in 1919, 5 of these cases died. Of the total number of deaths 39 were from this disease, showing a death-rate of 25.65 as against 26.42 in 1919.

Port Health Work.—Steamers, tongkangs, and prows, 43 in number, were inspected, and pratique granted.

s. s. Tosan Maru arrived from Batavia on 27-10-20 with one case of Cerebro-Spinal Meningitis. This case was isolated in the Hospital Buildings, and the ship was quarantined for 21 days.

Five bills of health were issued.

Police Force:—

| | | | 1920. | 1919. |
|----------------------------------|-----|-----|-------|-------|
| Number of admissions to hospital | ... | ... | 69 | 84 |
| „ „ Out-patients | ... | ... | 81 | 106 |
| „ „ admissions for Malaria | ... | ... | 28 | 24 |
| „ „ out-patients | „ | ... | 10 | 15 |

Prisoners :—

| | | 1920. | 1919. |
|-----------------------------|-----|-------|-------|
| | | — | — |
| Number admitted to hospital | ... | 19 | 19 |
| „ of out-patients | ... | 17 | 27 |
| „ admitted for Malaria | ... | 6 | 8 |

Out-Patients :—

Seven hundred and fifty-two cases were treated as out-patients against 595 in 1919.

The nationalities are as follows.—Forty Europeans, 12 Eurasians, 110 Chinese, 405 Malays, 145 Indians and 40 other nationalities.

The chief diseases treated were malaria, bronchitis, constipation, dyspepsia, injuries, roundworms and scabies.

Vaccinations :—

One hundred and ninety-three children were vaccinated during the year as against 304 in 1919.

Of these 186 were successful, and 7 failed.

Meteorological :—

The North-east monsoon blew from January to end of April, when the South-west monsoon began and continued to the end of the year.

The total rainfall during the year was 3,458.0 millimetres as against 2,761.5 millimetres in 1919. There was only 45.5 m.m. in July which was the wettest month in the year 1919. The wettest month was September when 555.0 m.m. fell. The greatest rainfall on any day of the year was 264.0 m.m. on the 29th April.

| | |
|----------------------------------|---|
| The maximum temperature was | 92.0 deg. on 2nd and 22nd July, and 1st of August. |
| The minimum „ „ | 71.0 „ on 19th and 22nd September, and 22nd of December. |
| The maximum mean temperature was | 87.1 „ |
| „ minimum „ „ „ | 76.4 „ |
| „ mean temperature „ | 81.7 „ |

Hospital :—

The total number of admissions during the year was 234 as against 194 in 1919. Of these, 2 were Europeans, 2 Eurasians, 92 Chinese, 98 Malays, 34 Indians, and 6 other nationalities.

There were 13 deaths giving a percentage mortality to the total treated of 5.32 as against 2.50 in 1919. Excluding the 7 deaths within 48 hours, the percentage of mortality is 2.46.

Operations :—

Nine operations were performed under chloroform and few minor ones under local anaesthesia.

Staff :—

Dr. CLEVERTON went on leave on 16th December, 1920.

Mr. D'CRUZ acted for him until the end of the year.

SINGAPORE.

Return of the Statistics of Population for the Year 1920.

| | | | | Europeans. | Eurasians. | Malays. | Chinese. | Indians. | Other Nationalities | TOTAL. |
|-------------------------------|-----|------|-----|----------------|------------|---------|----------|----------|---------------------|---------|
| Number of inhabitants in 1920 | ... | | | 369 | 6,025 | 53,935 | 283,274 | 35,807 | 4,901 | 391,311 |
| " Births during the year 1920 | | | | 147 | 176 | 2,036 | 7,706 | 608 | 130 | 10,803 |
| " Deaths | " | 1920 | | 86 | 113 | 2,068 | 10,485 | 987 | 112 | 13,851 |
| " Immigrants | " | 1920 | } | Not available. | | | | | | |
| " Emigrants | " | 1920 | | | | | | | | |
| Number of inhabitants in 1919 | ... | | | 7,16 | 5,857 | 52,430 | 275,370 | 34,808 | 4,764 | 380,392 |
| Increase or | ... | ... | ... | 206 | 168 | 1,505 | 7,904 | 999 | 137 | 10,919 |
| Decrease | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

Meteorological Return for the Year 1920.

| | | | TEMPERATURE. | | | | | RAINFALL. | | WINDS. | | REMARKS. |
|-----------|-----|-----|----------------|-------------------|----------------|----------------|--------|-----------|-----------------------|---------------------|--------------------|---------------|
| | | | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in Millimetres | Degree of Humidity. | General Direct on. |  | Average Force. |
| | | | °F | °F | °F | °F | °F | °F | M. M. | % | | |
| January | ... | ... | 143.6 | 70.2 | 86.4 | 72.9 | 13.5 | 80.0 | 388 | 82 | N.E. | Not recorded. |
| February | ... | .. | 152.2 | 71.0 | 88.1 | 73.5 | 14.6 | 82.1 | 175 | 82 | N.E. | |
| March | ... | ... | 151.5 | 71.6 | 89.4 | 74.3 | 15.1 | 83.2 | 152 | 78 | N.E. | |
| April | ... | ... | 149.0 | 72.4 | 88.9 | 75.1 | 13.8 | 83.1 | 78 | 80 | N.E. | |
| May | ... | ... | 149.6 | 72.9 | 89.5 | 75.8 | 13.7 | 84.5 | 95 | 78 | S.W. | |
| June | ... | ... | 151.2 | 73.0 | 90.0 | 76.1 | 13.9 | 84.7 | 57 | 78 | S.W. | |
| July | ... | ... | 148.4 | 72.5 | 89.2 | 75.2 | 14.0 | 84.0 | 193.25 | 78 | S.W. | |
| August | ... | ... | 145.6 | 71.6 | 87.7 | 73.9 | 13.8 | 82.6 | 267.25 | 79 | S.W. | |
| September | ... | ... | 153.4 | 72.7 | 88.0 | 75.3 | 12.7 | 83.4 | 223.50 | 78 | S.W. | |
| October | ... | .. | 153.3 | 71.8 | 88.8 | 74.3 | 14.5 | 83.1 | 246.50 | 78 | N.W. | |
| November | ... | ... | 153.0 | 71.9 | 88.8 | 74.8 | 14.0 | 82.7 | 362.50 | 79 | N.W. | |
| December | ... | ... | 150.7 | 71.0 | 89.7 | 74.5 | 15.2 | 83.4 | 102.75 | 75 | N.W. | |
| Mean | ... | ... | 150.1 | 71.9 | 88.9 | 74.8 | 14.1 | 83.1 | 2,340.75 | 78.9 | ... | |

PENANG, PROVINCE WELLESLEY AND DINDINGS.

Return of the Statistics of Population for the Year 1920.

| | Europeans. | Eurasians. | Malay. | Chinese. | Indians. | Other Nationalities. | TOTAL. |
|-----------------------------------|------------|---------------|---------|----------|----------|----------------------|---------|
| Number of inhabitants in 1920 ... | 1,380 | 1,885 | 127,610 | 123,314 | 52,448 | 2,871 | 309,508 |
| „ Births during the year 1920 | 52 | 54 | 3,866 | 3,763 | 1,474 | 90 | 9,299 |
| „ Death „ 1920 | 25 | 63 | 3,104 | 4,337 | 2,158 | 122 | 9,809 |
| „ Immigrants „ 1920 | } ... | not available | | | | | |
| „ Emigrants „ 1920 | | | | | | | |
| Number of inhabitants in 1919 ... | 1,317 | 1,867 | 125,896 | 121,965 | 51,803 | 2,841 | 305,739 |
| Increase or ... | 638 | 18 | 1,714 | 1,349 | 645 | 30 | 3,769 |
| Decrease ... | ... | ... | ... | ... | ... | ... | ... |

Meteorological Return for the Year 1920.

| | TEMPERATURE. | | | | | | RAINFALL. | | WINDS. | | REMARKS. |
|---------------|----------------|-------------------|----------------|----------------|--------|-------|------------------------|---------------------|--------------------|----------------|----------|
| | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in millimetres. | Degree of Humidity. | General Direction. | Average Force. | |
| | F. | F. | F. | F. | F. | F. | | F. | | | |
| January ... | 151.7 | 69.1 | 88.9 | 71.9 | 17.0 | 82.7 | ... | 75.2 | N.W. | | |
| February ... | 151.1 | 63.5 | 89.8 | 71.5 | 18.3 | 82.0 | 199 | 78.0 | N.W. | | |
| March ... | 149.9 | 62.3 | 91.7 | 72.8 | 18.9 | 85.6 | 107 | 76.8 | N.W. | | |
| April ... | 152.3 | 69.5 | 91.2 | 73.2 | 18.0 | 84.7 | 175 | 77.6 | S.E. | | |
| May ... | 148.5 | 69.6 | 89.9 | 73.2 | 16.7 | 82.5 | 287 | 84.7 | N.E. | | |
| June ... | 147.3 | 68.9 | 86.7 | 71.9 | 14.8 | 82.7 | 207 | 81.5 | S.E. | | |
| July ... | 143.3 | 70.4 | 90.5 | 72.1 | 18.4 | 84.3 | 81 | 77.2 | N.E. | | |
| August ... | 148.7 | 67.4 | 89.5 | 71.7 | 17.8 | 82.1 | 453 | 79.6 | N.W. | | |
| September ... | 141.0 | 68.0 | 86.7 | 71.5 | 15.2 | 81.0 | 336 | 77.2 | N.W. | | |
| October ... | 139.4 | 68.8 | 86.9 | 71.7 | 15.2 | 85.9 | 23 | 83.4 | N.W. | | |
| November ... | 107.4 | 69.6 | 87.0 | 72.0 | 15.0 | 81.9 | 270 | 79.0 | N.W. | | |
| December ... | 136.7 | 68.0 | 86.3 | 71.7 | 14.6 | 81.2 | 256 | 82.7 | N.W. | | |
| Mean ... | 143.9 | 67.9 | 88.7 | 72.1 | 16.6 | 83.0 | 2,584 | 70.0 | ... | | |

MALACCA.

Return of the Statistics of Population for the Year 1920.

| | | | | Europeans. | Eurasians. | Malays. | Chinese. | Indians. | Other Nationalities. | TOTAL. |
|-----------------------------------|--|--|--|------------|--------------------|---------|----------|----------|----------------------|---------|
| Number of inhabitants in 1920 | | | | 385 | 1,948 | 99,803 | 44,891 | 9,491 | 543 | 157,069 |
| ,, Births during the year 1920 | | | | 9 | 68 | 3,202 | 1,363 | 513 | 160 | 5,315 |
| ,, Deaths ,, 1920 | | | | 2 | 54 | 2,151 | 1,651 | 957 | 83 | 4,898 |
| ,, Immigrants ,, 1920 | | | | } | No data available. | | | | | |
| ,, Emigrants ,, 1920 | | | | | | | | | | |
| Number of inhabitants in 1919 ... | | | | 375 | 1,898 | 97,223 | 43,729 | 9,254 | 529 | 153,008 |
| Increase | | | | 10 | 50 | 2,580 | 1,162 | 237 | 14 | 4,061 |
| or | | | | | | | | | | |
| Decrease | | | | ... | ... | ... | ... | ... | ... | ... |

Meteorological Return for the Year 1920.

| | | TEMPERATURE. | | | | | | RAINFALL. | | WINDS. | | REMARKS. |
|-----------|-----|----------------|-------------------|----------------|----------------|--------|-------|-----------------------|---------------------|--------------------|----------------|----------|
| | | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in Millimetres | Degree of Humidity. | General Direction. | Average Force. | |
| | | F. | F. | F. | F. | F. | F. | M.M. | % | | | |
| January | ... | 136.0 | — | 87 | 71 | 16 | 81. | 76. | 85 | N.E. | | |
| February | ... | 139.0 | — | 87 | 72 | 15 | 83. | 107. | 79 | N.E. | | |
| March | ... | 137.0 | — | 89 | 73 | 16 | 82. | 306. | 79 | N.E. | | |
| April | ... | 134.0 | — | 88 | 74 | 14 | 81.7 | 273.50 | 83 | N.E. | | |
| May | ... | 134.0 | — | 88 | 74 | 14 | 82.3 | 264.50 | 76 | N.E. | | |
| June | ... | 139.0 | — | 88 | 74 | 14 | 82.7 | 250.00 | 80 | N.E. | | |
| July | ... | 143.0 | — | 88 | 74 | 14 | 83.3 | 134.50 | 78 | S.W. | | |
| August | ... | 141.0 | — | 87 | 73 | 14 | 81.7 | 166.00 | 84 | N.E. | | |
| September | ... | 135.0 | — | 87 | 73 | 14 | 81.7 | 234.50 | 82 | N.W. | | |
| October | ... | 133.0 | — | 87 | 73 | 14 | 81.7 | 176. | 84 | N.W. | | |
| November | ... | 133.0 | — | 87 | 74 | 13 | 81.7 | 282. | 81 | N.E. | | |
| December | ... | 133.0 | — | 88 | 73 | 15 | 81.7 | 65.50 | 83 | N.W. | | |
| Mean | ... | 136.4 | — | 87 | 73 | 14 | 82.0 | 2,333.50 | 81 | — | — | |

LABUAN.

Return of the Statistics of Population for the Year 1920.

| | | | | Europeans. | Eurasians. | Malays. | Chinese. | Indians. | Other Nationalities. | Total. | |
|--------------------------------|--|--|--|------------|--------------------|---------|----------|----------|----------------------|--------|-------|
| Number of inhabitants in 1920 | | | | 17 | 49 | 4,760 | 1,868 | 204 | 72 | 6,970 | |
| ,, Births during the year 1920 | | | | 1 | 3 | 147 | 46 | 7 | 2 | 206 | |
| ,, Deaths ,, ,, 1920 | | | | 1 | ... | 104 | 46 | 1 | ... | 152 | |
| ,, Immigrants,, ,, 1920 | | | | } | No data available. | | | ... | ... | ... | |
| ,, Emigrants ,, ,, 1920 | | | | | | | | ... | ... | ... | |
| Number of inhabitants in 1919 | | | | ... | 24 | 45 | 4,717 | 1,868 | 198 | 70 | 6,922 |
| Increase | | | | ... | ... | 4 | 43 | ... | 6 | 2 | 48 |
| or | | | | | | | | | | | |
| Decrease | | | | ... | 7 | ... | ... | ... | ... | ... | ... |

Meteorological Return for the Year 1920.

| | | | TEMPERATURE. | | | | | | RAINFALL. | | WINDS. | | REMARKS. |
|-----------|-----|-----|----------------|-------------------|----------------|----------------|--------|-------|------------------------|---------------------|--------------------|----------------|----------------|
| | | | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in Millimetres. | Degree of Humidity. | General Direction. | Average Force. | |
| | | | F. | F. | F. | F. | F. | M. M. | % | | | | |
| January | ... | ... | — | — | 84.7 | 75.9 | 8.8 | 80.0 | 29.8 | 79 | N.E. | | No instrument. |
| February | ... | ... | — | — | 86.0 | 76.0 | 10.0 | 80.7 | 23 | 76 | N.E. | | |
| March | ... | ... | — | — | 86.9 | 76.1 | 10.8 | 81.8 | 18.0 | 78 | N.E. | | |
| April | .. | ... | — | — | 88.5 | 77.2 | 11.3 | 82.9 | 44.5 | 78 | N.E. | | |
| May | ... | ... | — | 75.3 | 88.8 | 77.4 | 11.4 | 83.1 | 243.0 | 74 | S.W. | | |
| June | ... | ... | — | 75.2 | 87.8 | 76.8 | 11.0 | 82.3 | 401.5 | 77 | S.W. | | |
| July | . | ... | — | 75.4 | 89.2 | 78.3 | 10.9 | 83.6 | 45.5 | 74 | S.W. | | |
| August | ... | ... | — | 74.7 | 8.0 | 76.8 | 13.2 | 82.4 | 111.0 | 73 | S.W. | | |
| September | ... | ... | — | 73.8 | 87.2 | 75.5 | 11.7 | 81.9 | 555.0 | 77 | S.W. | | |
| October | ... | ... | 144.6 | 74.0 | 85.8 | 75.0 | 10.8 | 81.3 | 414.5 | 80 | S.W. | | |
| November | ... | ... | 147.1 | 74.5 | 86.8 | 76.0 | 10.8 | 82.2 | 393.0 | 79 | S.W. | | |
| December | ... | ... | 145.3 | 74.2 | 86.0 | 76.1 | 9.9 | 81.9 | 352.0 | 78 | S.W. | | |
| Mean | ... | ... | 145.6 | 74. | 87.1 | 76.4 | 10.7 | 82.0 | 3.458 | 76 | — | — | |

FISHERIES DEPARTMENT, STRAITS SETTLEMENTS AND FEDERATED MALAY STATES.

SUMMARY.

1. Previously to 1921 the Fisheries in the Colony have been in charge of the Master Attendant in Singapore and of the Harbour Masters in Penang and Malacca, while in the Federated Malay States the Fisheries have been controlled by the Director of Museums and Fisheries, Federated Malay States. It was decided towards the end of 1921 to create a single department of Fisheries for the Straits Settlements and Federated Malay States, and the Federated Malay States Fisheries were taken over on the 7th of November by the officer placed in charge of the new department, Mr. C. F. GREEN. The Inspector of Fisheries, Mr. D. M. SETH, was appointed on the 1st of November to investigate Fishery questions in Singapore and Malacca, but the licensing work of the Master Attendant and Harbour Masters had not been taken over before the year closed.

2. The services of Mr. D. A. STEAD, Fishery Enquiry Commissioner, New South Wales, Australia, were engaged for the purpose of investigating the economic possibilities of the Fisheries in Malayan waters, and he sailed for Singapore on the 31st of December.

3. The total revenue derived from the Fisheries in the Colony and the Federated Malay States amounted to \$46,758.65.

COLONY FISHERIES.

4. Revenue:—

| Settlement. | Fees collected under the Fisheries Ordinance IX of 1900. | | | Fishing Boat Licences. | | |
|----------------------|--|-----------|-----------|------------------------|----------|----------|
| | 1919. | 1920. | 1921. | 1919. | 1920. | 1921. |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Singapore ... | 1,380.50 | 1,430.00 | 1,979.00 | 245.00 | 131.00 | 162.50 |
| Penang ... | 10,635.25 | 11,499.25 | 11,746.00 | 1,770.00 | 1,753.50 | 1,737.00 |
| Malacca ... | 1,574.00 | 1,547.00 | 1,544.00 | 368.50 | 403.50 | 414.50 |
| Total for Colony ... | 13,584.75 | 14,476.25 | 15,269.00 | 2,383.50 | 2,288.00 | 2,314.00 |

5. The administration of the Fisheries of the Colony under the Fisheries Ordinance IX of 1900 (No. 112, Vol. III, of the Laws of the Straits Settlements) was conducted by the Marine Department up to the close of the year.

6. The following table gives the bulk weight and average price per kati of fish sold in the principal markets in Singapore for the years 1914 to 1921 :—

| Year. | | | Bulk weight. | | Average Large. | Price per kati. | |
|-------|-----|-----|--------------|--------|-------------------|-----------------|--------|
| | | | Pikuls. | Katis. | | Medium. | Small. |
| | | | | | c. | c. | c. |
| 1914 | ... | ... | 77,722 | 37 | 35 | 26 | 15 |
| 1915 | ... | ... | 77,694 | 11 | 35 | 28 | 16 |
| 1916 | ... | ... | 90,818 | 01 | 40 | 34 | 19 |
| 1917 | ... | ... | 95,542 | 29 | 49 | 45 | 23 |
| 1918 | ... | ... | 83,563 | 67 | 59 | 50 | 31 |
| 1919 | ... | ... | 77,674 | 83 | 66 | 60 | 35 |
| 1920 | ... | ... | 83,746 | 81 | 99 | 86 | 43 |
| 1921 | ... | ... | 85,063 | 01 | 71 | 58 | 31 |

From information gained from an examination of the Municipal fish auction books for the last 4 months of the year, it appeared that of the total fresh fish sold in the principal Singapore Markets only 20·3 per cent came from Singapore waters, the balance being derived from the waters off Dutch territory (65·6 per cent), Johore (12 per cent) and the Federated Malay States (2·1 per cent). The main portion of the fresh fish consumed in Singapore appears to be caught in waters off Dutch territory and is brought to Singapore partly by Japanese motor-boats and partly by steamers, which call at various Dutch islands and ports. The fish loaded on to such steamers are for the most part caught by fishermen financed from Singapore but living in Dutch territory and licensed by Dutch authorities.

FEDERATED MALAY STATES FISHERIES.

7. The total revenue for the three Western States derived from fishing and fishing-boat licences for the year 1921 amounted to \$29,175.65, being \$3,675.65 more than originally estimated, \$7,135.15 more than the revised estimate, but \$5,149.70 less than that collected in 1920.

8. Revenue shows an increase in Negri Sembilan and decreases in Perak and Selangor: the details are as follow :—

| State. | | | Revenue. | | | Approximate number of Fishermen. | | | Taxation per head. | | |
|----------------|-----|-----|-----------|-----------|-----------|----------------------------------|-------|-------|--------------------|-------|-------|
| | | | 1919. | 1920. | 1921. | 1919. | 1920. | 1921. | 1919. | 1920. | 1921. |
| | | | \$ c. | \$ c. | \$ c. | | | | \$ c. | \$ c. | \$ c. |
| Perak | ... | ... | 18,346 75 | 20,007 50 | 15,933 00 | 2,597 | 2,826 | 2,231 | 7 06 | 7 08 | 7 14 |
| Selangor | ... | ... | 14,201 00 | 14,149 00 | 13,040 00 | 2,131 | 2,158 | 1,913 | 6 67 | 6 56 | 6 81 |
| Negri Sembilan | ... | ... | 191 70 | 168 85 | 202 65 | 85 | 82 | 82 | 2 28 | 2 06 | 2 47 |
| Total | ... | ... | 32,739 45 | 34,325 35 | 29,175 65 | 4,813 | 5,066 | 4,226 | 6 80 | 6 78 | 6 90 |

9. The total sum of loans made during the year was \$1,500: repayments were made of \$3,937.23 and \$705.64 was collected as interest: \$6,937.83 remained outstanding at the end of the year.

10. Mr. C. BODEN KLOSS was relieved by Mr. H. C. ROBINSON on the latter's return from leave. Mr. C. F. GREEN took over the Federated Malay States Fisheries on the 7th November. Mr. L. H. GORSUCH was appointed Inspector of Fisheries in December.

11. Total expenditure on Personal Emoluments was \$14,973.26 against an estimate of \$19,116 and an expenditure of \$12,246 in 1920 and \$9,719 in 1919.

The expenditure on Other Charges, Annually Recurrent and Special Expenditure was \$19,430.97 against an estimate of \$28,050. In 1920 the total expenditure was \$13,573 and in 1919 \$12,590.

12. The cost of running and maintaining the steam-launch *Shark*, exclusive of payments made by other departments to which it was lent occasionally, was \$7,619.87.

13. The total cost of the department was, therefore, \$34,404.23 or 118 per cent of the gross revenue against 73 per cent in 1920 and 63 per cent in 1919.

PERAK.

EXPORTS AND IMPORTS.

14. Exports from the State of Perak amounted to \$115,116 against \$72,871 in 1920 and \$64,688 in 1919. *Blachan* amounted to \$26,787 against \$19,239 in 1920 and \$9,824 in 1919. Salt fish was \$38,995 against \$25,466 in 1920 and \$16,429 in 1919. Fresh fish was \$47,775 against \$24,395 in 1920 and \$36,622 in 1919.

Imports show a decrease of \$498,232 against \$766,088 in 1920 and \$586,581 in 1919. Salt fish was \$332,829 against \$603,009 in 1920 and \$475,309 in 1919. Fresh fish from the Dindings was \$159,047 against \$148,439 in 1920 and \$95,305 in 1919.

FRESH FISH TRADE.

15. Thirty-nine thousand six hundred and ninety-four pikuls of fresh fish were consigned from stations in Perak to other places in the same State during 1921 against 43,197 in 1920 and 47,657 in 1919.

Imports by Teluk Anson route to Kinta accounted for 26,059 pikuls against 25,518 in 1920 and 26,602 in 1919. Those from Port Weld continue to decrease amounting only to 1,016 pikuls against 1,427 in 1920 and 1,543 in 1919.

The amount of fresh fish imported into Perak from Province Wellesley was 609 pikuls against 2,200 in 1920 and 700 in 1919.

SELANGOR.

EXPORTS AND IMPORTS.

16. The value of fisheries products exported from the State of Selangor amounted to \$89,980 against \$99,187 in 1920 and \$85,564 in 1919. Of this amount, *blachan* accounted for \$53,160 against \$60,369 in 1920 and \$18,644 in 1919. Salt fish is recorded as \$23,922 against \$24,520 in 1920 and \$30,069 in 1919.

The value of the fisheries products imported was \$436,848 against \$728,539 in 1920 and \$570,399 in 1919.

FRESH FISH TRADE.

17. From Port Swettenham 49,482 pikuls of fresh fish were transported by rail to the inland districts against 33,712 in 1920 and 37,605 in 1919. From stations between Kuala Selangor and Connaught Bridge Junction 26,124 pikuls were despatched against 21,180 in 1920 and 16,964 in 1919.

NEGRI SEMBILAN.

18. For Negri Sembilan the exports of the year are returned as \$4,101 in value against \$496 in 1920 and \$148 in 1919.

No fresh fish was consigned by railway from Port Dickson to other places in the Federated Malay States.

The imports of fish products for 1921 are returned as \$98,760 against \$258,618 in value in 1920 and \$287,252 in 1919.

GENERAL.

19. Terubok appeared in Perak in October and remained in deep water off the coast until the end of the year. They are reported to have been difficult to catch, escaping below the nets set to capture them. Temenong appeared for about 15 days in May travelling southwards and were caught in large numbers, while Ikan Goh or Bagok and Kedra were numerous from September to the end of the year.

20. The fishing industry contended with lower prices for fish without a compensating decrease in the price of fishing gear. It was also affected by the general restriction of credit, the Chinese advancers being reluctant or unable to finance the fishermen to the usual extent. The reduction in revenue and in the number of fishermen is probably attributable to these causes, which had already begun to make themselves felt in the latter part of 1920. In Perak the price paid to the fisherman by the middleman for first quality fish was 32 cents in January, falling to about 26 cents by December.

C. F. GREEN,

Officer in charge of the Fisheries, S. S. and F. M. S.

[No. 2262/22.]

REGISTRATION OF BIRTHS AND DEATHS, STRAITS SETTLEMENTS.

The estimated population racially and collectively of the Straits Settlements for the years 1919 and 1920 and the 1921 census population are shown in Appendix A.

2. *Births*.—The number of Births registered throughout the Settlements during 1921 was 28,772 (males 15,038 and females 13,734). This shows an increase of 3,149 over the total for 1920, and is equal to a crude birth-rate of 32·62 per 1,000 persons living as against 29·63 in 1920 and 30·29 in 1919.

3. In every 100 births registered there were 52 males and 48 females, giving a percentage of 91·31 females to every 100 males born.

4. One thousand four hundred and ten still-births were registered in 1921, the percentage to those born alive being 4·90 as against 1,189 with a percentage of 4·64 in 1920.

5. The highest birth-rate as reckoned by nationalities was 42·98 per mille and was classed under "Malays", the Eurasians coming next with a ratio of 40·60 per mille. The lowest birth-rate was among Indians, 24·67 per mille (*vide* Appendix E.)

6. The Deaths from all causes registered in 1921 numbered 28,000 (males 19,017 and females 8,983) and correspond to a rate of 31·54 per mille, a decrease compared with 33·20 per mille in 1920. The death-rates for the last 10 years were as follows:—

| | | | | |
|------|-----|-----|-----|------------------------|
| 1912 | ... | ... | ... | ... * 39·01 per mille. |
| 1913 | ... | ... | ... | ... 34·93 ,, |
| 1914 | ... | ... | ... | ... 34·13 ,, |
| 1915 | ... | ... | ... | ... 29·15 ,, |
| 1916 | ... | ... | ... | ... 30·70 ,, |
| 1917 | ... | ... | ... | ... 36·98 ,, |
| 1918 | ... | ... | ... | ... 43·85 ,, |
| 1919 | ... | ... | ... | ... 33·04 ,, |
| 1920 | ... | ... | ... | ... 33·20 ,, |
| 1921 | ... | ... | ... | ... 31·54 ,, |

The lowest death-rates in the last 10 years were 29·15 in 1915 and 30·70 in 1916: the decrease in mortality in those years was largely due to a war-time measure, the repatriation of thousands of decrepit Chinese to their native land. The highest death-rate in the past 10 years was 43·85 per thousand in 1918 when the Influenza pandemic struck the country.

7. The greatest number of deaths in any one month of the year occurred in October, viz. 2,687, and the smallest 1,911, in February. The highest weekly death-rate in Singapore, 45·05, was recorded in the week ending 8th October, 1921, as compared with 41·82 (31st January, 1920), the highest in any week in the previous year.

8. The highest racial death-rate for the year was 37.05 per mille under "Other Nationalities", the "Indians" coming next with a ratio of 34.56 per mille. The lowest death-rate, 9.05 per mille, was under "Europeans".

9. *Causes of Deaths*.—Dangerous infectious diseases notified in the Colony have again not played a large part in our mortality. There were 63 deaths from Cerebro-spinal Meningitis, 28 from Plague, 2 from Cholera and 47 from Small-pox. These cases are exclusive of imported cases. Forty-one of the 47 deaths from Small-pox occurred in Singapore where Small-pox prevailed from May until the end of the year, the total cases during that period being 147.

The deaths from Pneumonia were 1,704, against 1,966 in 1920. The deaths registered as due to Influenza were 265 as against 362 deaths in 1920. Deaths due to this disease unless seen in life by a Medical Practitioner are usually registered under "Fever not specified". Beri-beri accounted for 1,299 deaths against 1,025 deaths in 1920, 1,430 deaths in 1919 and 1,958 deaths in 1918. The decrease in deaths in 1920 was coincident with the use of parboiled rice or undermilled rice in that year, supplemented by other articles of diet, instead of the polished Siam rice. The use of polished Siam rice which is now freely obtainable probably accounts for the increased Beri-beri death-rate in 1921.

Malaria Fever accounted for 4,713 deaths against 4,690 deaths in 1920 and 4,843 deaths in 1919, and Phthisis 3,225 deaths against 3,336 in 1920 and 3,112 in 1919. Up to 1917 the annual deaths from Phthisis never exceeded 3,000. Of Bowel complaints, Dysentery was responsible for 1,090 deaths and Diarrhoea for 360 deaths against 1,080 and 337 deaths respectively in 1920. The deaths from Convulsions were 3,724 against 3,557 in the previous year. Many of these deaths are due to tetanus of the new born.

10. Two thousand two hundred and eighty-one deaths were registered as due to "Fever not specified" as against 3,165 in 1920. This points to an improvement in certification.

11. The Infantile mortality (deaths of children under one year) is the lowest on record, the ratio being 179.23 per mille as against 194.86 per mille in 1920 and 212.42 per mille in 1919 after excluding all children born elsewhere than in the Colony. See Appendices K., L. The highest ratio of infantile mortality, 208.30, was among Indians, the Eurasians coming next with 191.25.

12. The deaths registered in the several Settlements are divided as regards certificates as follows:—

| Particulars. | Singapore. | Penang. | Province Wel- lesley. | Dindings. | Malacca. | Labuan. | Total. |
|---|------------|---------|--------------------------|-----------|----------|---------|--------|
| Died in Hospitals | 4,464 | 1,116 | 407 | 59 | 446 | 14 | 6,506 |
| Certified by private Medical Practitioners | 2,557 | 841 | ... | ... | 57 | 6 | 3,461 |
| Certified by Registering Officers after death | 5,187 | 2,125 | ... | ... | 551 | 2 | 7,865 |
| Not Certified | 1,903 | 1,044 | 3,323 | 307 | 3,414 | 177 | 10,168 |
| Total | 14,111 | 5,126 | 3,730 | 366 | 4,468 | 199 | 28,000 |

13. The usual Appendices A to L are attached, also Appendix M showing the deaths classified according to Nomenclature.

14. I assumed duty as Registrar-General on the 4th January, relieving Dr. GILBERT E. BROOKE who had been acting in that capacity from August, 1920.

A. L. HOOPS,
Registrar-General of Births and Deaths,
Straits Settlements.

[No. 3542/22.]

APPENDIX A.

Population ascertained racially and collectively of the Straits Settlements for the Year 1921, also estimated Population for the Years 1920 and 1919.

| SETTLEMENT. | Europeans. | Eurasians. | Chinese. | Malays. | Indians. | Other Nationalities. | TOTAL. | | |
|--------------------|------------|------------|----------|---------|----------|----------------------|---------|---------|---------|
| | | | | | | | 1921. | 1920. | 1919. |
| Singapore | 6,064 | 5,360 | 314,523 | 53,818 | 32,180 | 5,914 | 417,859 | 391,311 | 380,392 |
| Penang ... | 1,148 | 1,561 | 98,554 | 36,601 | 22,996 | 1,450 | 162,310 | 154,086 | 152,642 |
| Province Wellesley | 339 | 293 | 34,100 | 68,684 | 26,480 | 439 | 130,335 | 142,710 | 141,115 |
| Dindings | 22 | 16 | 2,804 | 5,193 | 3,874 | 18 | 11,927 | 12,712 | 11,982 |
| Malacca ... | 447 | 1,770 | 45,811 | 86,452 | 18,854 | 265 | 153,599 | 157,069 | 153,008 |
| Labuan ... | 25 | 15 | 1,614 | 4,095 | 114 | 46 | 5,909 | 6,970 | 6,922 |
| Total ... | 8,045 | 9,015 | 497,406 | 254,843 | 104,498 | 8,132 | 881,939 | 864,858 | 846,061 |

APPENDIX B.

Births registered in the Straits Settlements during 1921 and their Ratio per Mille of Population.

| Settlement. | Male. | Female. | Total 1921. | Total for 1920. | Total for 1919. | RATIO PER MILLE. | | |
|--------------------|--------|---------|-------------|-----------------|-----------------|------------------|-------|-------|
| | | | | | | 1921. | 1920. | 1919. |
| Singapore ... | 6,539 | 5,776 | 12,315 | 10,803 | 10,233 | 29'47 | 27'61 | 26'90 |
| Penang ... | 2,718 | 2,475 | 5,193 | 4,553 | 4,604 | 32'00 | 29'55 | 30'16 |
| Province Wellesley | 2,357 | 2,267 | 4,624 | 4,391 | 4,361 | 35'48 | 30'77 | 30'90 |
| Dindings ... | 166 | 167 | 333 | 355 | 274 | 27'92 | 27'14 | 22'87 |
| Malacca ... | 3,151 | 2,953 | 6,104 | 5,315 | 5,934 | 39'73 | 33'84 | 38'78 |
| Labuan ... | 107½ | 96 | 203 | 206 | 219 | 34'35 | 29'55 | 31'63 |
| Total .. | 15,038 | 13,734 | 28,772 | 25,623 | 25,624 | 32'62 | 29'63 | 30'29 |

APPENDIX C.

Table showing the relative Proportion of Male to Female Children of the Births registered in 1921, also the percentage of Still-births to Born Alive.

| SETTLEMENT. | Number of Births. | | | In every 100 Births there were | | For every 100 Male Births the Females were | Number of Still-births. | Percentage of Still-births to Born Alive. | | |
|------------------------|-------------------|---------|--------|--------------------------------|---------|--|-------------------------|---|-------|-------|
| | Male. | Female. | Total. | Male. | Female. | | | 1921. | 1920. | 1919. |
| Singapore ... | 6,539 | 5,776 | 12,315 | 53'09 | 46'91 | 88'33 | 448 | 3'64 | 3'15 | 3'47 |
| Penang ... | 2,718 | 2,475 | 5,193 | 52'41 | 47'59 | 91'29 | 243 | 4'68 | 4'17 | 4'91 |
| Province Wellesley ... | 2,357 | 2,267 | 4,624 | 50'97 | 49'03 | 96'18 | 470 | 10'16 | 8'88 | 8'35 |
| Dindings ... | 166 | 167 | 333 | 49'85 | 50'15 | 100'60 | 15 | 4'51 | 12'39 | 8'03 |
| Malacca ... | 3,151 | 2,953 | 6,104 | 51'62 | 48'38 | 93'72 | 232 | 3'80 | 4'12 | 4'23 |
| Labuan ... | 107 | 96 | 203 | 52'71 | 47'29 | 89'71 | 2 | '98 | 2'91 | '45 |
| Total ... | 15,038 | 13,734 | 28,772 | 52'27 | 47'73 | 91'31 | 1,410 | 4'90 | 4'64 | 4'76 |

APPENDIX D.

Births registered in the Straits Settlements during each Month of 1921.

| MONTH. | Singapore. | Penang. | Province Wellesley. | Dindings. | Malacca. | Labuan. | Total. |
|---------------|------------|---------|---------------------|-----------|----------|---------|--------|
| January ... | 981 | 360 | 339 | 37 | 536 | 23 | 2,276 |
| February ... | 855 | 351 | 320 | 29 | 460 | 12 | 2,027 |
| March ... | 1,075 | 442 | 356 | 22 | 613 | 14 | 2,522 |
| April ... | 1,082 | 458 | 418 | 29 | 657 | 21 | 2,665 |
| May ... | 1,060 | 477 | 355 | 21 | 655 | 13 | 2,581 |
| June ... | 952 | 408 | 410 | 19 | 517 | 13 | 2,319 |
| July ... | 985 | 409 | 362 | 22 | 494 | 18 | 2,290 |
| August ... | 989 | 387 | 352 | 29 | 384 | 16 | 2,157 |
| September ... | 1,049 | 451 | 411 | 24 | 415 | 16 | 2,366 |
| October ... | 1,121 | 526 | 463 | 31 | 501 | 18 | 2,660 |
| November ... | 1,118 | 486 | 453 | 31 | 457 | 30 | 2,575 |
| December ... | 1,048 | 438 | 385 | 39 | 415 | 9 | 2,334 |
| Total ... | 12,315 | 5,193 | 4,624 | 333 | 6,104 | 203 | 28,772 |

APPENDIX E.
Births registered in the Straits Settlements during 1921 according to Nationalities.

| SETTLEMENT. | | Europeans. | | Eurasians. | | Chinese. | | Malays. | | Indians. | | Other Nationalities. | | Total. | |
|--------------------|-----|------------|--------|------------|--------|----------|--------|---------|--------|----------|--------|----------------------|--------|--------|--------|
| | | No. | Ratio. | No. | Ratio. | No. | Ratio. | No. | Ratio. | No. | Ratio. | No. | Ratio. | No. | Ratio. |
| Singapore | ... | 187 | 31'00 | 209 | 38'99 | 8,718 | 27'72 | 2,314 | 42'99 | 789 | 24'52 | 98 | 16'57 | 12,315 | 29'47 |
| Penang | ... | 56 | 48'78 | 66 | 42'28 | 3,147 | 31'93 | 1,310 | 35'79 | 561 | 24'40 | 33 | 22'07 | 5,193 | 32'00 |
| Province Wellesley | ... | 4 | 11'80 | 5 | 17'06 | 1,086 | 31'85 | 2,775 | 40'40 | 715 | 27'00 | 39 | 88'84 | 4,624 | 35'48 |
| Dindings | ... | 1 | 45'45 | ... | ... | 72 | 25'68 | 185 | 35'62 | 75 | 19'36 | ... | ... | 333 | 27'92 |
| Malacca | ... | 10 | 22'37 | 86 | 48'59 | 1,406 | 30'69 | 4,021 | 46'51 | 430 | 22'81 | 151 | 569'81 | 6,104 | 39'74 |
| Labuan | ... | 1 | 40'00 | ... | ... | 72 | 44'60 | 121 | 29'54 | 8 | 70'17 | 1 | 21'73 | 203 | 34'35 |
| Total | | 259 | 32'19 | 366 | 40'60 | 14,501 | 29'15 | 10,726 | 42'08 | 2,578 | 24'67 | 322 | 39'60 | 28,772 | 32'62 |

APPENDIX F.
Deaths registered at the several Settlements for the Year 1921 and the Ratio per thousand of Estimated Population.

| SETTLEMENT. | | | | Deaths registered in 1921. | | Total for 1920. | Total for 1919. | Ratio per thousand of Estimated Population. | | |
|--------------------|-----|--------|---------|----------------------------|--------|-----------------|-----------------|---|-------|--|
| | | Male. | Female. | Total. | 1921. | | | 1920. | 1919. | |
| Singapore | ... | 10,207 | 3,904 | 14,111 | 13,851 | 12,590 | 33'30 | 35'40 | 33'10 | |
| Penang | ... | 3,491 | 1,635 | 5,126 | 5,439 | 6,366 | 31'58 | 35'30 | 41'71 | |
| Province Wellesley | ... | 2,277 | 1,453 | 3,730 | 3,928 | 3,533 | 28'61 | 27'52 | 25'04 | |
| Dindings | ... | 221 | 145 | 366 | 442 | 358 | 30'69 | 34'77 | 29'88 | |
| Malacca | ... | 2,713 | 1,755 | 4,468 | 4,898 | 4,970 | 29'09 | 31'18 | 32'48 | |
| Labuan | ... | 108 | 91 | 199 | 152 | 140 | 33'67 | 21'80 | 20'22 | |
| Total | ... | 19,017 | 8,983 | 28,000 | 28,710 | 27,957 | 31'54 | 33'20 | 33'04 | |

APPENDIX G.

Deaths registered in the Straits Settlements during each Month of 1921.

| MONTH. | Singapore. | Penang. | Province Wellesley. | Dindings. | Malacca. | Labuan. | Total. |
|---------------|------------|---------|---------------------|-----------|----------|---------|--------|
| January ... | 959 | 424 | 271 | 39 | 378 | 14 | 2,085 |
| February ... | 884 | 370 | 289 | 36 | 324 | 8 | 1,911 |
| March ... | 1,015 | 390 | 276 | 31 | 356 | 16 | 2,084 |
| April ... | 1,098 | 385 | 247 | 47 | 346 | 15 | 2,138 |
| May ... | 1,229 | 452 | 272 | 32 | 421 | 21 | 2,427 |
| June ... | 1,151 | 532 | 335 | 30 | 405 | 18 | 2,571 |
| July ... | 1,187 | 467 | 294 | 23 | 408 | 19 | 2,398 |
| August ... | 1,185 | 406 | 307 | 20 | 345 | 24 | 2,287 |
| September ... | 1,351 | 467 | 356 | 29 | 347 | 15 | 2,565 |
| October ... | 1,443 | 436 | 383 | 25 | 385 | 15 | 2,687 |
| November ... | 1,256 | 398 | 348 | 27 | 381 | 16 | 2,426 |
| December ... | 1,353 | 399 | 352 | 27 | 372 | 18 | 2,521 |
| TOTAL ... | 14,111 | 5,126 | 3,730 | 366 | 4,468 | 199 | 28,000 |

APPENDIX H.
Deaths registered in the Straits Settlements in 1921 according to Nationalities.

| SETTLEMENT. | Europeans. | | Eurasians. | | Chinese. | | Malays. | | Indians. | | Other Nationalities and Unknown. | | TOTAL. | |
|--------------------|------------|--------------------|------------|--------------------|----------|--------------------|---------|--------------------|----------|--------------------|----------------------------------|--------------------|--------|--------------------|
| | No. | Ratio P. Mille. | No. | Ratio P. Mille. | No. | Ratio P. Mille. | No. | Ratio P. Mille. | No. | Ratio P. Mille. | No. | Ratio P. Mille. | No. | Ratio P. Mille. |
| Singapore | 55 | 9'03 | 132 | 24'56 | 10,533 | 33'32 | 2,199 | 37'39 | 1,064 | 32'95 | 128 | 21'47 | 14,111 | 33'30 |
| Penang | 16 | 7'48 | 33 | 10'06 | 3,080 | 18'29 | 1,069 | 13'96 | 889 | 17'55 | 39 | 11'14 | 5,126 | 31'58 |
| Province Wellesley | 1 | 4'00 | 1 | 5'00 | 1,162 | 35'92 | 1,641 | 22'12 | 876 | 39'12 | 49 | 50'21 | 3,730 | 28'61 |
| Dindings | ... | ... | 1 | 166'66 | 104 | 40'51 | 139 | 19'45 | 121 | 56'22 | 1 | 32'26 | 366 | 30'69 |
| Malacca | 1 | 2'24 | 43 | 24'29 | 1,295 | 28'27 | 2,382 | 27'55 | 603 | 35'16 | 84 | 316'98 | 4,468 | 29'09 |
| Labuan | ... | ... | 1 | 66'66 | 149 | 36'38 | 45 | 27'88 | 2 | 17'54 | 2 | 43'47 | 199 | 33'67 |
| Total ... | 73 | 9'05 | 211 | 23'36 | 16,323 | 32'77 | 7,475 | 28'86 | 3,615 | 34'56 | 303 | 37'05 | 28,000 | 31'74 |

APPENDIX I.
Deaths registered in the Straits Settlements in 1921 under different group of Ages.

| AGES. | Singapore. | Penang. | Province Wellesley. | Dindings | Malacca. | Labuan. | TOTAL. |
|---------------------------|------------|---------|---------------------|----------|----------|---------|--------|
| Under 3 months | 1,539 | 562 | 444 | 37 | 959 | 24 | 3,565 |
| 3 months and under 1 year | 1,310 | 372 | 222 | 23 | 501 | 29 | 2,457 |
| 1 year to 5 years | 1,055 | 443 | 482 | 51 | 419 | 35 | 2,485 |
| 5 years to 10 " | 316 | 120 | 165 | 20 | 137 | 8 | 766 |
| 10 " to 20 " | 534 | 246 | 158 | 26 | 191 | 5 | 1,160 |
| 20 " to 25 " | 911 | 298 | 203 | 17 | 216 | 1 | 1,646 |
| 25 " to 35 " | 2,617 | 777 | 471 | 63 | 604 | 17 | 4,549 |
| 35 " to 45 " | 2,341 | 767 | 414 | 33 | 512 | 8 | 4,075 |
| 45 " to 55 " | 1,678 | 604 | 360 | 28 | 347 | 13 | 3,030 |
| 55 " to 75 " | 1,420 | 688 | 579 | 23 | 453 | 33 | 3,176 |
| 75 " and above | 343 | 162 | 222 | 44 | 121 | 26 | 918 |
| Unknown ... | 47 | 87 | 10 | 1 | 8 | ... | 153 |
| Total ... | 14,111 | 5,126 | 3,730 | 366 | 4,468 | 199 | 28,000 |

APPENDIX J.

Deaths registered in the Straits Settlements from different causes in 1921.

| Deaths from | Singapore. | Penang. | Province Wellesley. | Dindings. | Malacca. | Labuan. | Total. |
|---------------------------------|------------|---------|------------------------|-----------|----------|---------|--------|
| Convulsions | 1,452 | 282 | 599 | 59 | 1,294 | 38 | 3,724 |
| Bronchitis | 381 | 154 | 3 | 2 | 39 | 9 | 588 |
| Malarial Fever | 1,601 | 620 | 1,441 | 171 | 834 | 46 | 4,713 |
| Remittent Fever | ... | ... | ... | ... | ... | ... | ... |
| Typhoid Fever | 97 | 16 | ... | ... | ... | 1 | 114 |
| Fever not specified | 918 | 572 | 37 | ... | 753 | 1 | 2,281 |
| Dysentery | 756 | 156 | 85 | 17 | 73 | 3 | 1,090 |
| Diarrhœa | 205 | 71 | 34 | ... | 48 | 2 | 360 |
| Cholera | 1 | ... | 1 | ... | ... | ... | 2 |
| Bubonic Plague | 28 | ... | ... | ... | ... | ... | 28 |
| Small-pox | * 50 | † 10 | ... | ... | 3 | ... | 63 |
| Beri-beri | 1,034 | 151 | 5 | 9 | 100 | ... | 1,299 |
| Heart | 135 | 32 | 10 | ... | 8 | 3 | 189 |
| Phthisis | 1,827 | 802 | 345 | 9 | 207 | 35 | 3,225 |
| Head | 46 | 58 | 1 | ... | ... | 1 | 106 |
| Injuries | 104 | 29 | 16 | 4 | 18 | ... | 171 |
| Debility and Age | 678 | 398 | 393 | 28 | 156 | 27 | 1,680 |
| Anæmia | 29 | 20 | 8 | 1 | 1 | ... | 59 |
| Pneumonia | 1,309 | 266 | 22 | 13 | 89 | 5 | 1,704 |
| Bright's Disease | 174 | 36 | ... | ... | 2 | 1 | 213 |
| Dropsy | 70 | 18 | 131 | 1 | ... | ... | 220 |
| Drowning | 40 | 19 | 14 | ... | 10 | ... | 83 |
| Hanging | 56 | 13 | 13 | 2 | 7 | ... | 91 |
| Syphilis | 104 | 16 | 3 | 2 | 2 | ... | 127 |
| Inanition | 42 | 12 | 1 | ... | ... | 6 | 61 |
| Tetanus | 15 | 19 | 2 | ... | 51 | ... | 87 |
| Child-birth | 32 | 64 | 71 | 6 | 72 | 2 | 247 |
| Peritonitis | 66 | 15 | 7 | 1 | 2 | 1 | 92 |
| Gastritis | 68 | ... | ... | ... | ... | ... | 68 |
| Enteritis | 344 | 236 | 6 | 8 | 20 | 1 | 615 |
| Rheumatism | 39 | 9 | 32 | ... | ... | ... | 80 |
| Cirrhosis of Liver | 50 | 23 | 7 | 2 | 16 | 1 | 99 |
| Diabetes Mellitus | 10 | 7 | ... | ... | 1 | 1 | 19 |
| Meningitis (Cerebro- spinal) | 47 | 13 | 3 | ... | ... | ... | 63 |
| Influenza | 214 | 49 | 1 | 1 | ... | ... | 265 |
| Other Causes | 2,032 | 908 | 409 | 26 | 649 | 8 | 4,032 |
| Unknown | 56 | 32 | 30 | 4 | 13 | 7 | 142 |
| TOTAL ... | 14,111 | 5,126 | 3,730 | 366 | 4,468 | 199 | 28,000 |

* 9 cases imported. † 7 cases imported.

APPENDIX K.

Table showing the Infantile Mortality (under One Year) in the Straits Settlements including Children born elsewhere.

| SETTLEMENT. | Deaths. | Ratio per mille of Births. | | |
|--------------------|---------|----------------------------|--------|--------|
| | | 1921. | 1920. | 1919. |
| Singapore | ... | ... | ... | ... |
| Penang | ... | ... | ... | ... |
| Province Wellesley | ... | ... | ... | ... |
| Dindings | ... | ... | ... | ... |
| Malacca | ... | ... | ... | ... |
| Labuan | ... | ... | ... | ... |
| Total | ... | ... | ... | ... |
| | | 28,727 | 5,910 | 205.73 |
| | | | 216.52 | 233.37 |

APPENDIX L.

Table showing the Infantile Mortality (Children under One Year) in the Straits Settlements and Nationalities, excluding Children born elsewhere.

| Nationalities. | Singapore. | | | Penang. | | | Province Wellesley. | | | Dindings. | | | Malacca. | | | Labuan. | | | TOTAL. | | |
|---------------------------------|------------|---------------------|--------|---------|---------------------|--------|---------------------|---------------------|--------|-----------|---------------------|--------|----------|---------------------|--------|---------|---------------------|--------|---------|---------------------|--------|
| | Deaths. | No. Born elsewhere. | Ratio. | Deaths. | No. Born elsewhere. | Ratio. | Deaths. | No. Born elsewhere. | Ratio. | Deaths. | No. Born elsewhere. | Ratio. | Deaths. | No. Born elsewhere. | Ratio. | Deaths. | No. Born elsewhere. | Ratio. | Deaths. | No. Born elsewhere. | Ratio. |
| Europeans | 10 | 1 | 48.13 | 2 | ... | 35.71 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | 1 | 42.48 |
| Eurasians | 47 | ... | 224.88 | 8 | ... | 121.21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 72 | 2 | 191.25 |
| Chinese | 1,933 | 155 | 266.23 | 472 | 134 | 149.98 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,926 | 293 | 181.57 |
| Malays | 664 | 54 | 263.61 | 79 | 120 | 60.31 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,064 | 182 | 194.10 |
| Indians | 163 | 11 | 192.65 | 85 | 24 | 151.51 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 589 | 52 | 208.30 |
| Other Nationalities and Unknown | 12 | 6 | 61.22 | 6 | 1 | 187.05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 51 | 7 | 136.64 |
| Total | 2,849 | 227 | 212.91 | 652 | 280 | 125.55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5,714 | 537 | 179.23 |

APPENDIX M.

Causes of Deaths in 1921.

| | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|---|------------|---------|----------|---------|--------|
| INFECTIVE DISEASES. | | | | | |
| Dengue Fever | 1 | .. | ... | ... | 1 |
| Rheumatic Fever | ... | 41 | ... | ... | 41 |
| Blackwater Fever | 3 | 1 | ... | ... | 4 |
| Beri-beri | 1,034 | 165 | 100 | ... | 1,299 |
| Cholera | 1 | 1 | ... | ... | 2 |
| Diphtheria | 9 | 4 | ... | ... | 13 |
| Dysentery | 756 | 258 | 73 | 3 | 1,090 |
| Enteric Fever | 100 | 16 | ... | 1 | 117 |
| Leprosy | 10 | 207 | 6 | ... | 223 |
| Malaria | 1,226 | 2,232 | 834 | 46 | 4,338 |
| " Benign Tertian | 8 | ... | ... | ... | 8 |
| " Malignant | 190 | ... | ... | ... | 190 |
| " Quartan | 6 | ... | ... | ... | 6 |
| " Mixed | 17 | ... | ... | ... | 17 |
| " Chronic | 144 | ... | ... | ... | 144 |
| Plague, Bubonic | 28 | ... | ... | ... | 28 |
| Pneumonia | 853 | 300 | 72 | 5 | 1,230 |
| Pyrexia | 25 | 2 | ... | ... | 27 |
| Rheumatism | 38 | ... | ... | ... | 38 |
| Septicæmia | 32 | 26 | 3 | ... | 61 |
| Small-pox | 43 | 10 | 3 | ... | 56 |
| Syphilis, Primary | 18 | 24 | 2 | ... | 44 |
| " Secondary | 33 | ... | ... | ... | 33 |
| " Tertiary | 14 | ... | 1 | ... | 15 |
| " Congenital | 29 | ... | ... | ... | 29 |
| Tetanus | 12 | 23 | 51 | ... | 86 |
| Influenza | 156 | 51 | ... | ... | 207 |
| Sprue | 3 | 6 | ... | ... | 9 |
| Erysipelas | 6 | ... | ... | ... | 6 |
| Pyæmia | 6 | 1 | ... | 1 | 8 |
| Trismus Neonatorum | 91 | 79 | ... | ... | 170 |
| Measles | 5 | 3 | ... | ... | 8 |
| Other Diseases | 1 | 15 | ... | ... | 16 |
| Fever unclassified | 1,006 | 607 | 753 | 1 | 2,367 |
| Cerebro-spinal Fever | 29 | 16 | ... | ... | 45 |
| Tuberculosis Generalised | 15 | 68 | 6 | ... | 89 |
| Phagedæna | 1 | 2 | 8 | ... | 11 |
| Abscess Parotid Glands. | ... | ... | 1 | ... | 1 |
| INTOXICATION. | | | | | |
| Toxæmia | ... | ... | 1 | ... | 1 |
| GENERAL DISEASES NOT INCLUDED IN THE TWO PRECEDING PARTS. | | | | | |
| Diabetes | 9 | 25 | 1 | 1 | 36 |
| Old Age and Debility | 406 | 88 | 279 | 27 | 800 |
| Inanition | 38 | 13 | ... | 6 | 57 |
| General Dropsy | 64 | 150 | ... | ... | 214 |
| Malignant Growth | 23 | ... | ... | ... | 23 |
| Malignant Growth (non) | ... | 56 | ... | ... | 56 |
| Senile Decay | 266 | 729 | 156 | ... | 1,151 |
| Other Diseases | 46 | 9 | ... | ... | 55 |
| Marasmus | 144 | 23 | 83 | ... | 250 |
| Sapræmia | 109 | 29 | 1 | ... | 139 |
| Anæmia | 19 | ... | ... | ... | 19 |
| DISEASES OF THE NERVOUS SYSTEM. | | | | | |
| C. S. Meningitis | 11 | ... | ... | ... | 11 |
| Neuritis | 17 | 11 | ... | ... | 28 |
| Myelitis | 4 | 1 | ... | ... | 5 |
| Meningitis | 15 | ... | 3 | ... | 18 |
| Locomotor Ataxia | 4 | ... | 1 | ... | 5 |
| Cerebral Softening | 6 | ... | ... | ... | 6 |
| Convulsions | 1,452 | 958 | 294 | 38 | 3,742 |
| Carried forward | 8,582 | 6,250 | 3,732 | 129 | 18,693 |

Causes of Deaths in 1921.—Continued.

| | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|--|------------|---------|----------|---------|--------|
| <i>Brought forward</i> ... | 8,582 | 6,250 | 3,732 | 129 | 18,693 |
| DISEASES OF THE EAR. | | | | | |
| Otitis Media ... | 1 | ... | ... | ... | 1 |
| Mastoiditis ... | 1 | ... | ... | ... | 1 |
| Cancrum Oris ... | 5 | ... | ... | ... | 5 |
| DISEASES OF THE CIRCULATORY SYSTEM. | | | | | |
| Pericarditis ... | 20 | 3 | 1 | ... | 24 |
| Endocarditis ... | 17 | 9 | 1 | ... | 27 |
| Valvular disease ... | 106 | 38 | 27 | 3 | 174 |
| Syncope ... | 34 | 26 | ... | ... | 60 |
| Fatty degeneration of heart ... | 1 | 2 | ... | ... | 3 |
| Myocarditis ... | 6 | ... | ... | ... | 6 |
| Arterio Sclerosis ... | 10 | ... | 3 | ... | 13 |
| Angina Pectoris ... | 1 | 3 | ... | ... | 4 |
| Other Diseases ... | 48 | 43 | 3 | 1 | 95 |
| DISEASES OF THE RESPIRATORY SYSTEM. | | | | | |
| Asthma ... | 37 | 13 | 1 | ... | 51 |
| Bronchitis ... | 388 | 158 | 39 | 9 | 594 |
| Broncho-pneumonia ... | 386 | 119 | 17 | 3 | 525 |
| Phthisis ... | 1,827 | 1,105 | 202 | 35 | 3,169 |
| Pleurisy ... | 10 | 6 | 2 | ... | 18 |
| Empyema ... | 15 | 3 | 1 | ... | 19 |
| Other Diseases ... | 3 | 19 | 17 | ... | 39 |
| DISEASES OF THE DIGESTIVE SYSTEM. | | | | | |
| Necrosis Jaw ... | 2 | ... | ... | ... | 2 |
| Cholangitis ... | 9 | ... | 1 | ... | 10 |
| Gastritis ... | 64 | ... | ... | ... | 64 |
| Gastric Ulcer ... | 20 | ... | ... | ... | 20 |
| Enteritis ... | 205 | 250 | 8 | 1 | 464 |
| Gastro-Enteritis ... | 128 | ... | 12 | ... | 140 |
| Appendicitis... .. | 14 | ... | 2 | ... | 16 |
| Colitis ... | 20 | ... | ... | ... | 20 |
| Hernia Strangulated ... | 13 | 4 | 4 | ... | 21 |
| Obstruction Intestines ... | 28 | ... | ... | ... | 28 |
| Diarrhoea ... | 205 | 8 | 48 | 2 | 263 |
| Ascites ... | 8 | 101 | ... | ... | 109 |
| Liver Abscess ... | 68 | ... | ... | ... | 68 |
| „ Cirrhosis ... | 38 | ... | 16 | 1 | 55 |
| Jaundice ... | 8 | 31 | ... | ... | 39 |
| Peritonitis ... | 53 | 22 | 2 | 1 | 78 |
| Hepatitis ... | 9 | ... | ... | ... | 9 |
| Perihepatitis ... | 1 | ... | ... | ... | 1 |
| Other Diseases ... | 42 | 39 | 2 | ... | 83 |
| DISEASES OF THE URINARY SYSTEM. | | | | | |
| Uræmia ... | 22 | ... | ... | ... | 22 |
| Bright's Disease ... | ... | 36 | 2 | 1 | 39 |
| Nephritis Acute ... | 204 | 36 | 26 | ... | 266 |
| „ Chronic ... | 128 | ... | ... | ... | 128 |
| Cystitis ... | 10 | ... | ... | ... | 10 |
| Other Diseases ... | 6 | 8 | 1 | ... | 15 |
| DISEASES OF CONNECTIVE TISSUE. | | | | | |
| Cellulitis ... | 15 | ... | 1 | ... | 16 |
| Abscess ... | 16 | ... | 4 | ... | 20 |
| Gangrene ... | 24 | ... | ... | ... | 24 |
| Carbuncle ... | 4 | 1 | 1 | 1 | 7 |
| Other Diseases ... | ... | 19 | 4 | ... | 23 |
| <i>Carried forward</i> ... | 12,862 | 8,352 | 4,180 | 187 | 25,581 |

Causes of Deaths in 1921.—Continued.

| | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|---------------------------------|------------|---------|----------|---------|--------|
| <i>Brought forward</i> ... | 12,862 | 8,352 | 4,180 | 187 | 25,581 |
| POISONS. | | | | | |
| Blood Poisoning ... | 1 | ... | ... | ... | 1 |
| Chloroform Poisoning ... | 2 | ... | ... | ... | ... |
| Corrosive " ... | 3 | ... | ... | ... | 3 |
| Alcoholic " ... | 2 | ... | 2 | ... | 4 |
| Opium " ... | 1 | ... | ... | ... | 1 |
| Arsenic " ... | ... | ... | 1 | ... | 1 |
| Fish " ... | 1 | ... | ... | ... | 1 |
| INJURIES. | | | | | |
| Fracture Skull ... | 32 | ... | 3 | ... | 35 |
| " Spine ... | 3 | ... | 1 | ... | 4 |
| " Leg ... | ... | ... | ... | 1 | 1 |
| Multiple Injuries ... | 30 | ... | ... | 1 | 31 |
| Hæmorrhage ... | 21 | ... | ... | ... | 21 |
| Wounds ... | 25 | ... | ... | ... | 25 |
| Burns and Scalds ... | 10 | ... | 1 | ... | 11 |
| Hanging ... | 52 | 30 | 7 | ... | 89 |
| Drowning ... | 37 | 29 | 10 | ... | 76 |
| Suffocation ... | 1 | ... | ... | ... | 1 |
| Rupture Spleen ... | 15 | ... | ... | ... | 15 |
| Rupture Liver ... | 3 | ... | ... | ... | 3 |
| Other Causes ... | 31 | ... | 17 | 7 | 55 |
| PARASITES. | | | | | |
| Ankylostomiasis ... | 60 | ... | 120 | ... | 180 |
| Animal Parasites ... | ... | 398 | ... | ... | 398 |
| Causes Unknown ... | ... | 63 | ... | ... | 63 |
| Ascariasis ... | 5 | ... | ... | ... | 5 |
| Encephalitis ... | ... | ... | 1 | ... | 1 |
| Other Causes ... | ... | 58 | ... | ... | 58 |
| DISEASES OF THE BRAIN. | | | | | |
| Thrombosis ... | 5 | ... | ... | ... | 5 |
| Cerebral Syphilis ... | 19 | ... | ... | ... | 19 |
| " Embolism ... | 3 | ... | 1 | ... | 4 |
| " Hæmorrhage ... | 43 | 27 | 2 | ... | 72 |
| " Abscess ... | 7 | ... | ... | ... | 7 |
| " Apoplexy ... | ... | ... | 4 | ... | 4 |
| " Malaria ... | ... | ... | 1 | ... | 1 |
| NERVOUS DISEASES. | | | | | |
| Paraplegia ... | 19 | 5 | ... | ... | 24 |
| Hemiplegia ... | 22 | 15 | 1 | ... | 38 |
| Epilepsy ... | 2 | 7 | ... | ... | 9 |
| Apoplexy ... | 15 | 12 | ... | ... | 27 |
| Other Diseases ... | 39 | 17 | 14 | 1 | 71 |
| MENTAL DISEASES. | | | | | |
| General Paralysis of Insane ... | 12 | ... | ... | ... | 12 |
| <i>Carried forward</i> ... | 13,383 | 9,013 | 4,366 | 197 | 26,959 |

Causes of Deaths in 1921.—Concluded

| | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|--|---------------|--------------|--------------|------------|---------------|
| <i>Brought forward</i> ... | 13,383 | 9,013 | 4,366 | 197 | 26,959 |
| AFFECTIVE OF PREGNANCY AND LABOUR. | | | | | |
| P. P. Hæmorrhage ... | 14 | 7 | ... | ... | 21 |
| Abortion ... | 1 | ... | ... | ... | 1 |
| Eclampsia ... | 6 | ... | ... | ... | 6 |
| Puerperal Fever ... | 4 | ... | 4 | ... | 8 |
| Atelectasis ... | 3 | ... | ... | ... | 3 |
| Ectopic Gestation ... | 1 | ... | ... | ... | 1 |
| Childbirth ... | 25 | 117 | 72 | 2 | 216 |
| Other Causes ... | ... | 31 | 9 | ... | 40 |
| CHILDREN'S DISEASES | | | | | |
| Whooping Cough ... | 3 | ... | ... | ... | 3 |
| Icterus Neonatorum ... | 3 | ... | ... | ... | 3 |
| Premature Birth ... | 88 | 48 | ... | ... | 136 |
| Marasmus ... | ... | ... | ... | ... | ... |
| Umbilicus Sepsis ... | ... | ... | ... | ... | ... |
| Still-births ... | 22 | ... | ... | ... | 22 |
| Other Causes ... | 20 | ... | ... | ... | 20 |
| DISEASES OF THE ORGANS OF LOCOMOTION. | | | | | |
| Caries of Spine ... | 1 | ... | ... | ... | 1 |
| Other Diseases ... | ... | 1 | ... | ... | 1 |
| DISEASES OF THE MALE ORGANS OF GENERATION. | | | | | |
| Structure of Urethra ... | 1 | ... | ... | ... | 1 |
| Extravasation of Urine ... | 4 | 1 | ... | ... | 5 |
| Other Diseases ... | ... | 4 | ... | ... | 4 |
| DISEASES OF THE FEMALE ORGANS OF GENERATION. | | | | | |
| Pyosalpinx ... | 1 | ... | ... | ... | 1 |
| Cancer of Uterus ... | 10 | ... | ... | ... | 10 |
| Carcinoma Womb ... | 4 | ... | ... | ... | 4 |
| UNCERTAIN CAUSES OF DEATHS. | | | | | |
| Natural Causes ... | 461 | ... | ... | ... | 461 |
| Unknown Causes ... | 56 | ... | 17 | ... | 73 |
| TOTAL ... | 14,111 | 9,222 | 4,468 | 199 | 28,000 |

PROTECTOR OF CHINESE.

Immigration.

1. One hundred and ninety-one thousand and forty-three immigrants arrived from China by sea in 1921, the largest number since 1913; this figure shows an increase of 51·5 per cent on that for 1920 and is only 29·2 per cent less than the figure for 1911, the record year. As compared with the average for the previous ten years, 1911 to 1920, the number of arrivals in 1921 shows an increase of 19·4 per cent.

The increase in the number of immigrants is somewhat surprising in view of the stagnation in the tin and rubber industries during the year; it may be ascribed to the unsettled political conditions in South China, the fall in passage rates due to competition from an increasing number of steamers on the Straits-China run and the reduced price of rice combined with a fairly steady rate of exchange ruling throughout the year.

2. The following figures give the arrivals during the year previous to the outbreak of the war and in the succeeding years with their proportion to the record year, the Index for which is taken as 1,000:—

| | | | | | |
|------|-----|-----|-----|---------|-----|
| 1913 | ... | ... | ... | 240,799 | 892 |
| 1914 | ... | ... | ... | 147,150 | 545 |
| 1915 | ... | ... | ... | 95,735 | 428 |
| 1916 | ... | ... | ... | 183,399 | 679 |
| 1917 | ... | ... | ... | 155,167 | 575 |
| 1918 | ... | ... | ... | 58,421 | 216 |
| 1919 | ... | ... | ... | 70,912 | 262 |
| 1920 | ... | ... | ... | 126,077 | 466 |
| 1921 | ... | ... | ... | 191,043 | 707 |

3. One hundred and thirty-eight thousand seven hundred and eighty-five adult males arrived in the Colony as against 83,940 in the previous year; of these 16,451 continued their voyage to Penang.

4. Immigrants arriving in Penang totalled 24,607 as compared with 17,372 in 1920; 3,896 of these proceeded direct to Calcutta and Rangoon.

The Assistant Protector of Chinese, Penang, states that a large number of immigrants continue to arrive in that Settlement from China viâ Bangkok, but that, although no figures are available, it is probable that with reduced steamer fares the number arriving by this route is decreasing.

5. Adult female immigrants to the number of 28,723 arrived during the year showing an increase of 6,341 or 28·3 per cent over the year 1920. This figure constitutes a record in actual arrivals, the previous highest number being 23,327 in 1912, but the percentage of women to men fell from 31 in 1919 and 26·6 in 1920 to 20·7.

The numbers of women and their percentages to men during the past ten years are as follows:—

| | | | <i>No. of women.</i> | <i>Percentage of women to men.</i> |
|------|-----|-----|--------------------------|--|
| 1912 | .. | ... | 23,327 | 11·3 |
| 1913 | ... | ... | 22,847 | 12·0 |
| 1914 | ... | ... | 13,017 | 10·0 |
| 1915 | ... | ... | 10,632 | 13·8 |
| 1916 | ... | ... | 20,344 | 14·0 |
| 1917 | ... | ... | 16,571 | 13·5 |
| 1918 | ... | ... | 8,594 | 21·6 |
| 1919 | ... | ... | 13,883 | 31·0 |
| 1920 | ... | ... | 22,382 | 26·6 |
| 1921 | ... | ... | 28,723 | 20·7 |

Among the immigrants were 4,329 infants under the age of one year; 3,435 landed in Singapore, of whom 400 were reported as departing for other ports, leaving a balance of 3,035; the corresponding balances for the two preceding years were 703 and 1,551.

6. During the year 98,986 Chinese Deck passengers left Singapore for China, thus on balance there was an excess of immigrants from China over emigrants returning to China of 92,057 or 48·7 per cent.

Native Passenger Lodging-houses.

7. Under Ordinance XVIII of 1896, now No. 57, 73 licences were issued in Singapore during 1921, 47 to Chinese and 26 to Japanese; of these 5 Chinese and 3 Japanese surrendered their licences.

In addition 130 licences were issued for short periods in connection with the pilgrim traffic to and from Mecca. Fees collected amounted to \$3,246. There were six convictions under section 6 and five for breach of the rules made under the Ordinance, the fines imposed amounted to \$935; two of these prosecutions were instituted by the Police.

8. In Penang 27 licences were in force at the end of the year; of these 22 were issued to Chinese, 4 to Japanese and one to a Singhalese. The fees collected amounted to \$672.

9. Eighteen houses were licensed in Malacca, 17 for Chinese and one for Japanese. The sum of \$420 was received in fees.

Registration of Societies.

10. Exemption from registration was granted to twelve societies in Singapore and three exempted societies ceased to exist; 17 societies were registered under the Ordinance, two registered societies ceased to exist and one was dissolved. The sum of \$920 was collected in fees.

11. In Penang two societies were exempted from registration and 18 were registered; four registered societies ceased to exist and one was dissolved. Fees collected amounted to \$920.

12. One society was exempted from registration in Malacca and six societies were registered. Fees collected amounted to \$300.

13. Lawful societies in existence at the end of the year were as follows:—

| | | <i>Exempted.</i> | <i>Registered.</i> | <i>Total.</i> |
|-----------|-----|------------------|--------------------|---------------|
| | | — | — | — |
| Singapore | ... | 243 | 274 | 517 |
| Penang | ... | 75 | 211 | 286 |
| Malacca | ... | 40 | 80 | 120 |

Unlawful Societies.

14. There was a considerable amount of street fighting in Singapore between rival clans and rival gangs of hooligans throughout the year; the most serious outbreaks occurred in March among the Tiechius, when rival gangs took part in a feud, which originated in a gambling dispute at Chinese New Year, in August between a Bali Lane gang and two Seh Tan gangs of Hokkien Street and in November between the "Sin Gi Hin" Triad Society and a combination of all the Hokkien Seh Tan gangs on the one hand and between the "Sin Gi Hin" and the "Sin Kongs" unlawful societies on the other hand.

The street fighting in November showed that the various hooligan gangs were temporarily out of hand.

15. Three convictions were obtained under the Ordinance; 22 persons were convicted of being members of and attending a meeting of a Triad Society in November of the previous year and were sentenced to 4 months' rigorous imprisonment each; four of them appealed but the convictions and sentences were upheld.

In addition in September one person was convicted of assisting in the management and being a member of an unlawful society and was sentenced to 1 day's simple imprisonment and fined \$50, and 12 persons were fined \$10 each in December for acting as members of an unlawful club.

16. In Penang two loosely affiliated gangs of roughs styled Toa Ke Jiau San and Sio Ke Jiau San continued to exist but gave no very serious trouble.

There was one prosecution by the Police under the Societies Ordinance.

Protection of Women and Girls.

17. At the close of 1920 there were 57 inmates in the "Po Leung Kuk" Home at Kandang Kerbau, Singapore; admissions during 1920 totalled 123 and discharges 120, leaving 60 inmates at the end of the year.

18. There were 13 inmates in the "Po Leung Kuk" Ward, Penang, at the end of 1920; during the year 1920, 161 were admitted and 174 discharged, so that there were no inmates at the close of the year. Five girls were received into the Singapore Home from the Penang Ward.

19. Five inmates were admitted to the "Po Leung Kuk" Ward, Malacca; of these one was released, two were discharged on security and one absconded, leaving one inmate at the end of the year.

20. The credit balance of the Singapore Home carried forward from 1920 was \$1,755.94; the receipts including a contribution from Government of \$4,000 amounted to \$14,268.26. The members of the Committee generously raised a special contribution of \$2,845 subscribed and collected by themselves and their friends; this is the second time it has been necessary to obtain extra funds owing to the greatly increased cost of maintaining the Home. The Penang Po Leung Kuk Committee again subscribed \$500 and the sum of \$21.20 was received from the Government of Johore for the maintenance of one girl during a short period of the year. There is a reserve fund of \$4,000 on deposit.

Expenditure in 1921 totalled \$10,919.44, leaving a balance of \$3,348.82 in hand at the close of the year.

21. The maintenance of the Ward at Penang cost \$2,189.65 and the credit balance at the end of the year was \$18,628.31, of which \$18,100 is invested in the local War Loan Stock.

No expenditure was incurred by the Malacca Ward.

22. Seventy-four visits were paid to the Home at Singapore by the members of the Po Leung Kuk Committee and 61 by the members of the Ladies' Committee; to the latter and especially to the lady who is Honorary Secretary, the Home is much indebted for the interest taken by them in the well-being of the inmates.

Regular visits were paid to the Penang Ward during the year.

23. Three meetings of the Po Leung Kuk Committee were held in Singapore, two in Penang and two in Malacca.

24. The figures for Security Bonds taken for the protection of women and girls under section 8, Ordinance XXVI of 1914, now section 7 of Ordinance No. 143, are as follows:—

| <i>Security Bonds.</i> | <i>Singapore.</i> | <i>Penang.</i> | <i>Malacca.</i> |
|------------------------|-------------------|----------------|-----------------|
| — | — | — | — |
| In force on 31-12-1920 | 182 | 199 | 17 |
| Signed in 1921 | 34 | 54 | 3 |
| Cancelled in 1921 | 15 | 37 | 1 |
| In force on 31-12-1921 | 201 | 216 | 19 |

25. The number of Adoption Bonds, which are by custom taken from approved persons, who are permitted by the Po Leung Kuk Committee to receive into their families young girls from the Home and the Wards, is shown in the following statement:—

| <i>Adoption Bonds.</i> | <i>Singapore.</i> | <i>Penang.</i> | <i>Malacca.</i> |
|------------------------|-------------------|----------------|-----------------|
| — | — | — | — |
| In force on 31-12-1920 | 82 | 50 | 4 |
| Signed in 1921 | 9 | 5 | 3 |
| Cancelled in 1921 | 3 | 2 | .... |
| In force on 31-12-1921 | 88 | 53 | 7 |

26. In Singapore there were 5 convictions under various sub-sections of section 4 resulting in two fines of \$500, two of \$250 and one of \$300; in addition one conviction was obtained under section 5 and one under section 7, with the result that fines of \$50 and \$150 respectively were imposed. Two women were also convicted of kidnapping a small boy and were each sentenced to one day's simple imprisonment and a fine of \$100.

27. In Penang two female traffickers were convicted under section 4 of the Ordinance and were sentenced to 9 months' and three months' rigorous imprisonment respectively. There was also a conviction under section 7 resulting in a fine of \$50.

The Labour Ordinance, 1920.

28. This Ordinance was brought into force during the year. The Department dealt with 762 indebted immigrants under Parts IV and XII of whom 760 emigrated and two were found to be unfit for labour and were dealt with under section 78.

The Registration of Schools Ordinance, 1920.

29. This Ordinance was enforced in the latter portion of the year; in Singapore 91 schools, 561 members of committees of management and 254 teachers were registered.

30. In Penang 58 schools, 301 members of committees of management and 115 teachers were registered.

31. The corresponding figures for Malacca are twelve schools, 75 members of committees of management and 30 teachers.

Chinese Advisory Board.

32. There were six meetings of the Singapore Chinese Advisory Board, at which the subjects discussed were the Registration of Chinese Marriage Bill, By-laws for the regulation of the new Municipal Burial Ground for Chinese, the House of Detention, the question of bringing into force the Domestic Servants Ordinance, the registration of schools, free vaccination, legislation for the protection of children and mui-tsai and the visit of H. R. H. the Prince of Wales; in addition a resolution was passed recording the appreciation of the services of Dr. LIM BOON KENG to the Board on his tendering his resignation.

33. The Penang Chinese Advisory Board held six meetings, the subjects discussed being the Registration of Chinese Marriage Bill, unemployment, robbery, the exportation of rice, the Registration of Domestic Servants Ordinance, and the appointment of Chinese representatives on the Reception Committee to meet H. R. H. the Prince of Wales. I have to express regret at the death of Mr. LIM SIEW HONG, a member of the Board.

34. Six meetings of the Chinese Advisory Board, Malacca, were held; subjects discussed included the Registration of Chinese Marriages, the repatriation of destitute coolies, quit rents of Chinese rubber estates and the registration of domestic servants.

Repatriation of Destitute Chinese.

35. In Singapore 28 destitute Chinese were repatriated at a cost of \$754.90; many more applicants could have been repatriated but were refused assistance owing to lack of funds, which totalled \$800 made up of a contribution of \$100 from the Tung Chye Hospital subscribed in December of the previous year, \$300 subscribed by the Chinese Chamber of Commerce and \$400 contributed by the Government. In addition the Department received and embarked on behalf of the Malacca Repatriation of Destitute Chinese Fund, and the Governments of the F. M. S. and Kelantan, 3, 139 and 46 vagrants respectively.

36. In Penang 67 destitute Chinese were repatriated at a cost of \$1,137.60 from the Fund amounting to \$2,000 subscribed by the Government and the Chinese community in equal proportions.

Towards the latter part of the year the Government passed a special vote of \$6,000 for the repatriation of vagrants and unemployed; this enabled a further 373 decrepits to be sent back to China at a cost of \$5,988.84, no able-bodied labourers being granted passages.

In addition the Assistant Protector of Chinese made the necessary arrangements for the embarkation of 913 vagrants and decrepits, who were repatriated from Kuala Lumpur, Ipoh, Kampar and Taiping.

Towards the end of the year the Chinese community founded a Penang Labourers' Unemployment Home, which has accommodation for about 200 men. It has been full since its inception and has rendered valuable service in lessening the temptation to commit theft and other crimes for the unemployed.

37. The Assistant Protector of Chinese, Malacca, reports that there was little unemployment among the Chinese in that Settlement with the result that only 4 decrepits took advantage of a Fund of \$325 raised by subscription to which the Government added an equal amount; the sum of \$133.30 was expended.

Certificates of Birth.

38. The issue of 16 Certificates of Birth was recommended by the Department, one to the child of a naturalised British Subject, 6 to children of British Subjects by birth and 7 to children born in the Colony of Chinese subjects.

Public Houses.

39. The fees collected in Penang for Public Houses amounted to \$19,695 and for Public Billiard Saloons \$219.

There were 8 First Class, 13 Second Class and 19 Third Class Public Houses and 20 Public Billiard Saloons at the end of the year.

General.

40. The continuance of the slump in tin and rubber intensified the stagnation of general trade and increased the tightness of money during the year; failures among traders, however, were comparatively few owing to the mutual forbearance shown in demanding the payment of debts; a steady rate of exchange with China and the return of more normal conditions in the rice market conduced to a general fall in the cost of labour.

41. The Chinese working classes as a whole accepted reductions in wages without resistance but there was one exception, viz., the skilled artisans employed by the Singapore Harbour Board and the engineering firms in Singapore, who went out on strike in April, when a first cut was made in the temporary allowances granted in 1919 to meet the then high price of rice and other foodstuffs; the strike lasted from 1st April to 16th May, after which date the strikers returned to work accepting the cut without conditions; the strike was marked by one murder and one attempted murder of headmen, who used their influence against it; a second cut in the temporary allowances on 1st December was accepted without demur.

42. Notwithstanding the unfavourable economic conditions the considerable excess of immigrants from China over new arrivals appears to have been absorbed without difficulty, possibly owing to the drain of Indian labour returning to India.

43. The Assistant Protector of Chinese, Malacca, reports that in the Settlement there was practically no distress; in the other Settlements, however, there was a very large increase in the numbers of vagrants and decrepits who owing to unfitness for heavy manual labour were unable to obtain employment, or whose relatives or clansmen were no longer able to support them.

44. There was considerable agitation against the Registration of Schools Ordinance, more especially in Penang, from which Settlement two Chinese delegates proceeded to interview the Secretary of State for the Colonies, but they were unable to submit any valid reasons for refraining from putting into force the Ordinance.

45. There is good reason to believe that the agitation was fomented from ulterior political motives. After the General Association of Education had been dissolved with results reported in Legislative Council the situation quietened down and registration was completed in all three Settlements before the close of the year.

Staff.

46. Mr. P. T. ALLEN acted as Secretary for Chinese Affairs until the 15th November when I resumed duty on return from long leave.

Mr. BULL was Assistant Protector of Chinese until the 1st March, when he was succeeded by Mr. INGHAM, who had taken over the duties of 2nd Assistant Protector of Chinese on the 17th January from Mr. HORNE on the latter proceeding to Canton to study Chinese; Mr. INGHAM carried on the work of both posts until the 13th June when Mr. PEDLOW relieved him of the duties of 2nd Assistant Protector of Chinese; Mr. MIDDLEBROOK, Cadet, relieved Mr. PEDLOW on 18th October and was in turn succeeded by Mr. W. G. STIRLING upon return from furlough on 23rd December; the latter has been appointed Extra Assistant Protector of Chinese on probation.

Messrs. MIDDLEBROOK and KING, Cadets, were attached to the Department for study during the last quarter of the year.

Mr. J. L. MCFALL was in charge at Penang until 24th October when Mr. PEDLOW succeeded him.

Mr. G. R. SYKES on return from long leave relieved Mr. DODD at Malacca on the 14th June.

I report with great regret the death of Mr. CHOO KIM SWEE, Chief Clerk, who died of small-pox on the 10th December, after 27 years' uninterrupted service in the Department.

Returns.

47. The following returns are appended :—

SINGAPORE.

- A*—Immigrants.
- **B*—Societies registered.
- **C*—Societies exempted from registration.
- **D*—Work of the "Po Leung Kuk" Home.
- **E*—Women and Girls placed on security bonds.
- **F*—"Po Leung Kuk" Committee.
- **G*—Chinese Advisory Board.
- **H*—Banishment.

PENANG.

- I*—Immigrants.
- **J*—Societies registered.
- **K*—Societies exempted from registration.
- **L*—Work of the "Po Leung Kuk" Home.
- **M*—Women and Girls placed on security bonds.
- **N*—"Po Leung Kuk" Committee.
- **O*—Chinese Advisory Board.

MALACCA.

- **P*—Societies registered.
- **Q*—Societies exempted from registration.
- **R*—Women and Girls placed on security bonds.
- **S*—"Po Leung Kuk" Committee.
- **T*—Chinese Advisory Board.

[No. 1466/22.]

D. BEATTY,

Secretary for Chinese Affairs, S. S.

SINGAPORE A.

Table of Chinese Immigrants arrived and inspected at Singapore during the year 1921.

| | | | | NUMBER OF CHINESE IMMIGRANTS EXAMINED ON BOARD VESSELS FROM | | | | TOTAL. |
|-------|-----|-----|-----|---|---------|--------|---------|---------|
| | | | | Hongkong. | Swatow. | Amoy. | Hoihow. | |
| Men | ... | ... | ... | 48,750 | 36,703 | 51,395 | 1,937 | 138,785 |
| Women | ... | ... | ... | 16,278 | 5,352 | 7,076 | 17 | 28,723 |
| Boys | ... | ... | ... | 5,337 | 4,069 | 6,544 | 324 | 16,274 |
| Girls | ... | ... | ... | 2,950 | 1,800 | 2,505 | 6 | 7,261 |
| Total | | | | 73,315 | 47,924 | 67,520 | 2,284 | 191,043 |

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NOTE.—1. The above Immigrants were brought from China in the following vessels :—British 206, American 15, Dutch 10, Italian 4, Norwegian 6 and Japanese 4 Total ... 245

2. Of the women who arrived 7,649 were Hokkien, 2,709 Tiechiu, 13,110 Cantonese, 5,252 Kheh, and 3 Hailam ... Total ... 28,723

3. Of the boys who arrived 6,826 were Hokkien, 2,012 Tiechiu, 4,133 Cantonese, 2,950 Kheh and 353 Hailam ... Total ... 16,274

4. Of the girls who arrived 2,641 were Hokkien, 1,018 Tiechiu, 2,246 Cantonese, 1,350 Kheh and 6 Hailam ... Total ... 7,261

PENANG I.

Table showing the number of Chinese Immigrants who arrived in Penang during the year 1921.

| | NUMBER OF CHINESE IMMIGRANTS FROM CHINA AND CHINA VIÀ SINGAPORE EXMINED ON BOARD THE VESSELS AND AT THE LANDING DEPÔT. | | | | Paid Passengers. | Unpaid Passengers. | Total Number of Immigrants. | Immigrants remaining in Penang. | PROCEEDED DIRECT TO | | | | | |
|----------|--|-------|---------|----------------------|------------------|--------------------|-----------------------------|---------------------------------|---------------------|----------|-------|---------|-----------------------|--|
| | Hongkong. | Amoy. | Swatow. | China viâ Singapore. | | | | | Calcutta. | Rangoon. | Deli. | Padang. | Total to other ports. | |
| | | | | | | | | | | | | | | |
| 1921. | | | | | | | | | | | | | | |
| Males | 5,447 | 5,101 | 1,946 | 3,957 | 16,451 | .. | 16,451 | 13,721 | 361 | 2,369 | .. | .. | 2,730 | |
| Females | 2,132 | 1,117 | 384 | 1,096 | 4,729 | .. | 4,729 | 4,130 | 86 | 513 | .. | .. | 599 | |
| Children | 1,144 | 1,369 | 353 | 561 | 3,427 | .. | 3,427 | 2,860 | 57 | 510 | .. | .. | 567 | |
| Total | 8,723 | 7,587 | 2,683 | 5,614 | 24,607 | .. | 24,607 | 20,711 | 504 | 3,392 | .. | .. | 3,896 | |

NOTE.—1. The above Immigrants were brought from China and China via Singapore in the following vessels :— British 254, Americans 4, Dutch 5 : Total 263.
 " 2. Of the females who arrived here 1,239 were Hokkiens, 544 Tiechius, 2,559 Cantonese, 325 Khehs and 62 Fuchows : Total 4,729.
 " 3. Of the children who arrived here 1,440 were Hokkiens, 499 Tiechius, 1,234 Cantonese, 212 Khehs and 42 Fuchows : Total 3,427.

FOREST ADMINISTRATION IN THE STRAITS SETTLEMENTS.

PART I.

Extension and Constitution of Reserved Forests.

1. A further addition of 754 acres, 2 roods, 14 poles was made to the Tanjong Burong Reserve in the Dindings, and a reserve was formed of the whole of the Crown Land at Cape Rachado belonging to the Settlement of Malacca. An extension of about 1,925 acres to the Segari-Melintang Reserve in the Dindings was preliminarily notified, and the reservation of Bukit Kopia in the same Settlement was under consideration at the close of the year. When these last two areas have been settled, reservation will be almost complete, but the needs of the Colony can never be met from the forests within its own boundaries. A small area of 2 roods, 22 poles was excised from the Changi Reserve in Singapore as of small value to the Government compared with its value to the holder of the adjacent property, but no further progress was made with the revocation of part of the Pandan Reserve for the construction of cement works.

2. The total area of reserved forest is now 167·3 square miles distributed as shown in the following table. Details are given in Form I.*

| Locality. | Area. | Area of Reserved Forests. | Proportion to whole area. |
|------------------------|---------------|---------------------------|---------------------------|
| | Square miles. | Square miles. | Per cent. |
| Singapore | 217 | 21·0 | 9·7 |
| Penang | 108 | 19·0 | 17·6 |
| Province Wellesley ... | 280 | 6·3 | 2·2 |
| Dindings | 183 | 43·5 | 23·8 |
| Malacca | 720 | 77·5 | 10·7 |
| TOTAL | 1,508 | 167·3 | 11·1 |

3. There seems some doubt whether the military authorities will after all need the Mandai and Sembawang Reserves which were given up in 1914, and, if they do not take them over, the question of their re-reservation should be considered.

* Not printed.

Demarcation and Upkeep of Boundaries.

4. The boundaries of the reserved forests are now estimated to amount to 554 miles 29 chains as shown in detail in Form 3.* They were for the most part maintained by the subordinate staff, the total expenditure being \$232.19, of which \$209.54 was incurred in Malacca.

Surveys.

5. The only survey work of any importance was done in the Bukit Sedanan Reserve in Malacca, which has now been completely divided up into compartments to facilitate the organisation and supervision of exploitation. Similar work has been begun in the Ayer Panas Reserve. In these reserves 50 miles 33 chains were surveyed at a cost of \$700.62, which is a good deal cheaper than the work of the previous year, but still seems high. The only other work under this head was the survey of the annual coupe and certain plantations in the Tanjong Burong Reserve in the Dindings, 3 miles 61 chains being completed (mostly by the subordinate staff) at a cost of \$15.

PART II.

MANAGEMENT OF FORESTS.

Plans of Operations.

6. The plans of operations were on a small scale and were adhered to.

Communications.

7. About 13 miles of paths were constructed in the Bukit Sedanan Reserve, and 9 miles 21 chains in the Sungei Udang Reserve, the cost being \$282 and \$555.75 respectively. Repairs to 22 miles 79 chains in the latter reserve were done by the subordinate staff. Only in Malacca has systematic work of this kind been begun, but it is becoming more and more necessary in the Dindings.

Buildings.

8. The construction and maintenance of buildings are for the most part in the hands of the Public Works Department. Quarters for a forester were completed at Telok Bahang for \$3,600, and a checking station and subordinates' quarters at Segari for \$4,825. Both are solid buildings fully adequate to requirements.

9. Further details are given in Form V.*

Protection of Forests.

10. There were no changes in the Forest Law. The number of offences reported rose from 46 in 1920 to 104 in the year of report, of which 95 were concerned with the unauthorised removal or appropriation of forest produce. Almost the whole of the increase is due to better supervision in Malacca, where 39 out of the 71 offences reported were committed in reserved forests. Thirty-three cases were taken to court, and convictions were obtained in thirty, the fines inflicted amounting to \$445 (of which \$153 were paid to the Forest Department) in addition to \$39.16, the proceeds of the sale of confiscated property. The sum realised in the 67 cases compounded amounted to \$872.50. At the close of the year 4 cases were pending. Further details are given in Form 7.*

IMPROVEMENT OF FORESTS.

Natural Reproduction.

11. Dipterocarps fruited fairly freely, and there was an average seed-year in the mangrove forests. Natural reproduction in Malacca is on the whole remarkably good, largely on account of the fellings of second-class trees which have taken place for many years in the reserves of that Settlement. The forests in the Dindings require systematic opening up, if seed-years are to be taken full advantage of. Improvement fellings were carried out over about 30 acres in the Bukit Sedanan Reserve in Malacca at a cost of \$141, the natural regeneration in the area chosen for treatment being particularly plentiful.

Plantations and Cultural Operations.

12. A recently exploited area of 246 acres in the Tanjong Burong Reserve in the Dindings was planted with Bakau minyak at a cost of \$763.77, but further expenditure will probably have to be incurred on the replacement of failures. In this plantation 1,020 seedlings were protected from the attacks of crabs by means of pieces of tin bent round the stem just above the ground. At the end of the year it was found that 84 per cent of the protected seedlings had survived and only 60 per cent of the unprotected. Seventeen acres in the same reserve were planted with tengar. The whole of this planting should have been done by the felling contractors, who paid \$1,400 to Government as compensation for their failure to do so.

13. There was no change in the area of plantations in the other Settlements, and the only work done in them was the eradication of lalang at a cost of \$151.50 from about 6 acres of Para rubber in the Bukit Bruang Reserve plantation in Malacca, and the cleaning of about 41 acres of Penaga in the same plantation by the subordinate staff. The taban, penaga, and merbau in this plantation are reported to be doing well, but the tembusu is sickly and hardly worth further expenditure.

14. In Singapore the area of the Bukit Timah plantation is likely to be affected by the proposals for the improvement of the Singapore-Kranji Railway. Owing to the state of the rubber industry the rubber was not tapped, but a sum of \$3,000 was transferred from deposits to revenue on account of previous working of the plantation.

EXPLOITATION.

Timber and Fuel.

(a) *From Reserves.*

15. In Singapore five reserves were worked as usual for mangrove fuel under the coupe system, the area under exploitation during the whole or part of the year being 319 acres. In addition, seven old coupes, which had not been fully worked out, were open to exploitation under monthly permits. The 128 acres newly leased realised \$25.64 per acre compared with \$31.38 per acre for the coupes of the previous year. The estimated outturn from the leased coupes was 2,350 tons, and from the coupes open under permit 1,220 tons, compared with 3,620 and 460 tons respectively in 1920. The outturn from other sources was 54 tons of timber and 1,801 tons of firewood. The revenue fell from \$8,031.38 to \$5,003.05.

16. The following table summarises the results of the year's work in the Singapore mangrove forests:—

| Reserve. | Coupe No. | Area in acres. | Amount at which leased. | Total revenue realised during 1921. | Approximate outturn during 1921. | Remarks. |
|-------------|-----------|----------------|-------------------------|-------------------------------------|----------------------------------|-----------------------------|
| | | | \$ c. | \$ c. | Tons. | |
| Pandan ... | 12 | 80 | 3,768 00 | ... | 620 | Old. |
| Pandan ... | 13 | 80 | 2,608 00 | 2,608 00 | 160 | New |
| Changi ... | 12 | 16 | 640 00 | ... | 180 | Old. |
| Changi ... | 13 | 30 | 546 00 | 546 00 | 180 | New. |
| Kranji ... | 12 | 30 | 540 00 | 270 00 | 360 | Old. |
| Seletar ... | 11 | 18 | 127 80 | 127 80 | 220 | New. |
| Tuas ... | 11 | 65 | 1,046 50 | 523 25 | 630 | Old. |
| TOTAL ... | ... | 319 | 9,276 30 | 4,075 05 | 2,350 | ... |
| Pandan ... | 8 | 105 | ... | 10 00 | 40 | Open under monthly permits. |
| Pandan ... | 9 | 80 | ... | 40 00 | 160 | |
| Pandan ... | 10 | 80 | ... | 15 00 | 60 | |
| Pandan ... | 11 | 80 | ... | 120 00 | 480 | |
| Pandan ... | 12 | 80 | ... | 95 00 | 380 | |
| Tuas ... | 9 | 65 | ... | 10 00 | 40 | |
| Tuas ... | 10 | 65 | ... | 15 00 | 60 | |
| TOTAL ... | ... | 555 | ... | 305 00 | 1,220 | ... |

17. The outturn of timber on payment from the reserves of Penang, Province Wellesley, and the Dindings fell from 2,139'94 to 1,114'30 tons, more than half of it being in the form of poles. The reduced output is due to the gradual closing down of work in the Dindings owing to the unsatisfactory methods followed by the permit holders. The outturn of firewood from the same Settlements fell from 7,168'34 to 4,077'52 tons, and the revenue from \$9,145'07 to \$6,680'59.

18. In Malacca 43 permit holders were working in the following reserves:—Sungei Udang, 8; Bukit Sedanan, 11; Batang Malaka, 6; Bukit Senggeh, 9; Nyalas, 4; Ayer Panas, 1; Merlimau, 3; and Bukit Bruang, 1. In addition, one permit holder in the Bukit Sedanan Reserve was allowed to convert tops and branches into charcoal. The total outturn of timber, fuel and charcoal was 2,514'16 tons, compared with 4,004'39 tons in 1920, and the revenue fell from \$5,576 to \$5,021. Owing to the total absence of compartments in most of the reserves—a defect which is now being remedied—the work is very difficult to supervise, but, owing to its spasmodic nature, the forests have not suffered as much as might be expected. Class I trees are all marked before felling, and, as only a few trees are felled at one time, the result has been a gradual opening of the canopy and fairly satisfactory regeneration.

19. The outturn from the reserved forests in all the Settlements was 3,590'20 tons of timber, 9,520'52 tons of fuel, and 20'26 tons of charcoal, on which revenue of \$16,704'64 was realised. The corresponding figures for 1920 are 6,197'13 tons of timber, 13,533'34 tons of firewood, 96'2 tons of charcoal, and \$22,752'19 revenue. No account is taken of timber or fuel extracted free of royalty.

(b) From Crown Land.

20. Monthly permits were issued as usual in Singapore for firewood and pole cutting, the revenue being \$5,491'16 and the estimated outturn 9,260 tons of firewood and 3,293½ tons of poles, compared with \$2,955'41, and 8,100 and 611 tons respectively in 1920.

21. The outturn of timber from Penang, Province Wellesley, and the Dindings was 2,312'65 tons, being 678'56 tons less than in 1920. The outturn of firewood was 5,594'80 tons, compared with 5,660'65 tons in 1920. The revenue for the year was \$6,421'11, compared with \$9,003'59 in 1920.

22. In Malacca 538'28 tons of timber were removed on payment of royalty, and 236,295 poles under free grant. The fall of 564'99 tons in outturn was accompanied by a decrease of revenue from \$1,256 to \$1,201.

23. The total revenue on timber, fuel, and charcoal from Crown land in all the Settlements was \$13,113.27, details of the quantities extracted, amounting in all to 6,144'43 tons of timber and 14,854'80 tons of firewood, being given in Form 9*. The corresponding figures for 1920 are 4,640'48 tons of timber, 13,825'65 tons of firewood, and \$13,215 revenue.

(c) *From Alienated Land.*

24. The only record of outturn from alienated land is 100'34 tons of timber in the Dindings, which realised \$68.68. The revenue derived in Malacca from the 10 per cent *ad valorem* tax on the timber on newly alienated land fell from \$14,873.95 to \$2,848.13. This source of revenue is almost exhausted as there is little Crown land left to alienate. The system is one which might be followed with advantage elsewhere.

Minor Forest Products.

(a) *From Reserves.*

25. Revenue on minor forest produce from reserves rose from \$2,017.55 to \$4,195.88, owing to the transfer of \$3,000 from deposit account to revenue as mentioned in paragraph 14. Excluding this item there was a fall of \$821.67, accounted for by the impossibility of leasing the Para rubber plantation at Ayer Kroh in Malacca and the decrease in revenue from canes in the Dindings. The revenue for each Settlement and the principal products from which it was derived are as follows:—

Singapore:—\$11, from nibong;

Penang and Province Wellesley:—\$354, chiefly from akar (\$210), canes (\$66), and bertam and langkap (\$50);

Dindings:—\$702, chiefly from krang shell (240), granite (\$171), and kajang (\$170.80);

Malacca.—\$137, chiefly from canes (\$98).

(b) *From Crown Lands.*

26. There was a decrease from \$1,717.01 to \$1,330.30 in the revenue on minor produce from Crown lands, the principal items being \$624.45 for tengar bark in the Dindings, \$241.08 for nibong, and \$197.63 for canes.

PART III.

FINANCIAL RESULTS.

Revenue.

27. The following statement shows the total revenue from 1919 to 1921:—

| SETTLEMENT. | Revenue, 1919. | Revenue, 1920. | Esti- mated revenue, 1921. | Actual revenue, 1921. | Increase or decrease over Estimates. | Increase or decrease over 1920 actuals. |
|--------------------------------|-------------------|-------------------|-------------------------------------|-----------------------------|---|--|
| | \$ c. | \$ c. | \$ | \$ c. | \$ c. | \$ c. |
| Singapore ... | 11,243 28 | 12,978 59 | 5,000 | 16,677 97 | + 11,677 97 | + 3,699 38 |
| Penang and P. Wellesley ... | 7,051 86 | 5,722 97 | 3,310 | 3,016 11 | — 293 89 | — 2,706 86 |
| Dindings ... | 18,314 16 | 15,321 05 | 11,370 | 13,801 11 | + 2,431 11 | — 1,519 94 |
| Malacca ... | 29,144 98 | 23,245 44 | 16,500 | 10,341 38 | — 6,158 62 | — 12,904 06 |
| TOTAL ... | 65,754 28 | 57,268 05 | 36,180 | 43,836 57 | + 7,656 57 | — 13,431 48 |

* Not printed.

28. Singapore is the only Settlement to show an increase over the previous year, due mainly to the transfer of \$3,000 from deposit account to revenue, but partly also to the issue of a large number of permits to cut firewood. The fall in Penang and Province Wellesley is attributed to the general trade depression; in the Dindings to the temporary closure of the forest reserves to the timber cutter; and in Malacca to the exhaustion of Crown land and the consequent reduction in premia paid on forest land when alienated.

Expenditure.

29. The following table shows the expenditure from 1919 to 1921:—

| SETTLEMENT. | Expenditure, 1919. | Expenditure, 1920. | Estimated expenditure, 1921. | Expenditure, 1921. | Savings or excess over Estimates. | Increase or decrease over 1920 actuals. |
|--------------------------------------|-----------------------|-----------------------|------------------------------------|-----------------------|---|--|
| | \$ c. | \$ c. | \$ | \$ c. | \$ c. | \$ c. |
| Singapore ... | 9,598 83 | 14,982 60 | 20,351 | 18,659 43 | + 1,691 57 | + 3,676 83 |
| Penang and Province Wellesley ... | 5,459 20 | 6,433 03 | 7,300 | 6,058 23 | + 1,241 77 | - 374 80 |
| Dindings ... | 6,688 19 | 7,192 85 | 12,581 | 10,383 00 | + 2,198 00 | + 3,190 15 |
| Malacca ... | 12,318 06 | 14,240 48 | 18,445 | 15,471 31 | + 2,973 69 | + 1,230 83 |
| TOTAL ... | 34,064 28 | 42,848 96 | 58,677 | * 50,571 97 | + 8,105 03 | + 7,723 01 |

30. Almost the whole of the increase in expenditure is due to the increased cost of salaries, which rose from \$32,140.86 to \$38,921.11. The increased expenditure under other charges was incurred chiefly on transport, planting and cultural operations, and miscellaneous expenses.

Deficit.

31. There was a deficit of \$6,735.40 as shown in the following statement:—

| SETTLEMENT. | Surplus or deficit 1919. | Surplus or deficit 1920. | Estimated surplus or deficit 1921. | Surplus or deficit 1921. | Increase or decrease over Estimates. | Increase or decrease over 1920 actuals. |
|--------------------------------------|--------------------------------|--------------------------------|--|--------------------------------|---|--|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Singapore ... | + 1,644 45 | - 2,004 01 | - 15,351 00 | - 1,981 46 | + 13,369 54 | + 22 55 |
| Penang and Province Wellesley ... | + 1,592 66 | - 710 06 | - 3,990 00 | - 3,042 12 | + 947 88 | - 2,332 06 |
| Dindings ... | + 11,625 97 | + 8,128 20 | - 1,211 00 | + 3,418 11 | + 4,629 11 | - 4,710 09 |
| Malacca ... | + 16,826 92 | + 9,004 96 | - 1,945 00 | - 5,129 93 | - 3,184 93 | - 14,134 89 |
| TOTAL ... | + 31,690 00 | + 14,419 09 | - 22,497 00 | - 6,735 40 | + 15,761 60 | - 21,154 49 |

32. If temporary allowances are taken into consideration the deficit is \$16,766.39. During seven-and-a-half months of the year of report the writer was on leave and the salary of his locum-tenens, amounting to \$3,651.62, had to be paid in addition to his own. This charge should not recur for some time. There is every reason also to believe that, with the return of more prosperous conditions, the revenue from the Dindings and Malacca forests should again rise. The present deficit should therefore certainly be reduced during 1922, though it may be some time before it is converted into a surplus. It is thought that in Penang and Province Wellesley some economies might be effected, and this matter is under consideration.

* Excludes temporary allowances amounting to \$10,030.99.

PART IV.

Administration.

33. A complete scheme for the amalgamation of the department with that of the Federated Malay States was drawn up, and was carried into effect in anticipation of formal sanction to certain financial arrangements on which orders have not yet been passed. The two senior Rangers were transferred to the Federated Malay States and the forests of the Colony are now under the direct control of senior officers of those States. Penang, Province Wellesley, and the Tanjong Burong Reserve in the Dindings are now in charge of the Deputy Conservator of Forests, Taiping; the rest of the Dindings is in charge of the Deputy Conservator of Forests, Batu Gajah; Malacca, as before, is attached for administrative purposes to Negri Sembilan; and it is expected that Singapore island will shortly be placed in charge of the Conservator of Forests, Johore. The beneficial result of these changes is most marked in Malacca, which now has the services of a trained Assistant Conservator.

E. CUBITT,

Conservator of Forests,

S. S. & F. M. S.

KUALA LUMPUR,

17th March, 1922. [No. 2450/22.]

SURVEY DEPARTMENT, STRAITS SETTLEMENTS.

EXPENDITURE AND REVENUE.

Of an estimated expenditure of \$264,126, \$235,036 was expended. This with temporary allowances amounting to \$64,733, made the total expenditure on Revenue Surveys \$299,769, distributed as follows:—Singapore \$98,047, Penang \$87,440 and Malacca \$114,282. The corresponding expenditure in 1920 was \$246,049, or with 1920 arrears paid in 1921, \$263,759.

In addition \$80,897 was paid to the Government of the Federated Malay States, being \$16,448 the Colony's share of "Overhead Charges" or administration expenses of the joint department, \$33,622, the cost of extending to the Colony the Triangulation of the Malay States, and \$30,827, the cost of Special Topographical Surveys in Singapore and Penang. Of this amount \$77,181 was paid after the close of the financial year. The total expenditure on surveys was therefore \$380,666. (Appendix A).

The revenue collected was \$47,470 as compared with \$41,972 in 1920. (Appendix B).

TRAINING.

2. When this department took over the surveys of the Colony in 1920, the most urgent task was to train the existing staff in the duties of their appointments. Good progress has been made, and there is a marked increase in efficiency.

CONTROL.

3. Next in urgency is the provision of a framework of accurate survey on which to base other surveys.

During the year the Trigonometrical Branch of the Federated Malay States Survey Department extended the triangulation of the Peninsula to the Straits Settlements. The following is the number of points fixed in each Settlement.

| | | <i>Major.</i> | <i>Minor.</i> | <i>Standard Traverse Pipes.</i> |
|-----------|-----|---------------|---------------|-------------------------------------|
| | | — | — | — |
| Singapore | ... | 9 | 6 | 19 |
| Penang | ... | 9 | 2 | 31 |
| Malacca | ... | 8 | 2 | 15 |

These should suffice as a basis for the framework of control traverse required. The cost of the work was \$33,622 distributed as follows:—Singapore \$12,287, Penang \$9,841 and Malacca \$11,494.

Provision has been made for the completion in 1922 of the control traverses of Malacca by the Trigonometrical Branch. In Singapore and Penang such work has been commenced by the Revenue Survey staff. During the year 74 miles have been completed at the cost of \$122 a mile. With the

growth of this framework of control traverse it will be possible to commence a systematic re-survey of the Colony, and current work can be dealt with more easily. The lack of reliable data makes all work at present expensive and leaves it incomplete. But in the meantime an attempt has been made to meet the current requirements of the Land Offices.

Diagrams are attached showing the progress of control surveys.

REVENUE SURVEYS.

FIELD.

4. The actual field expenditure was \$98,377 as compared with \$80,798 in 1920. Two thousand six hundred and forty-six lots were surveyed and the length of lines traversed was 104,685 chains, at an average cost of \$0.94 per chain. The corresponding figures for 1920 were 2,808 lots and 92,385 chains at \$0.87 per chain. The cost per acre of agricultural lots and customary holdings was \$2.63 and \$3.38 respectively. (Appendix C).

OFFICE.

One thousand eight hundred and seventeen documents of title were prepared as compared with 695 in 1920. (Appendix D).

PROGRESS WITH REFERENCE TO REQUISITIONS.

Excluding customary holdings in Malacca on which no progress was made, there were on the books at the beginning of the year requisitions for 2,545 lots, 1,276 were received during the year, making 3,821 to be dealt with. At the end of the year there remained unsatisfied 1,809, of which 1,166 awaited survey. (Appendix F).

SINGAPORE.

EXPENDITURE AND REVENUE.

5. The expenditure was \$98,047 as compared with \$94,716 in 1920. (Appendix A).

The revenue collected was \$18,850 as compared with \$14,419. (Appendix B).

FIELD.

The actual field cost was \$28,757 as compared with \$23,790 in 1920, 1,184 lots were surveyed and lines traversed amounted to 28,740 chains, at an average cost of \$100 per chain. The corresponding figures for 1920 were 1,480 lots and 29,574 chains at \$0.80 per chain. The chainage includes 3,118 of control traverse at a cost of \$1.63 per chain. (Appendix C).

OFFICE.

Six hundred and fifty-six documents of title were prepared as compared with 210 in 1920. (Appendix D).

PROGRESS WITH REFERENCE TO REQUISITIONS.

On the 1st January requisitions for 916 lots were unsatisfied, 565 were received, making 1,481 to be dealt with. At the end of the year there remained unsatisfied 293, of which 180 awaited survey. Of unsatisfied requisitions those for only 23 lots are prior to 1921. (Appendix F).

Mr. J. GRIFFITHS, Acting Superintendent, was in charge throughout the year.

PENANG.

EXPENDITURE AND REVENUE.

6. The expenditure was \$87,440 as compared with \$72,323 in 1920. (Appendix A).

The revenue collected was \$14,430 as compared with \$12,037. (Appendix B).

FIELD.

The actual field cost was \$28,427 as compared with \$28,654 in 1920. Eight hundred and fifty-two lots were surveyed and lines traversed amounted to 29,650 chains at a cost of \$0.96 per chain. The corresponding figures in 1920 were 1,004 lots, 34,011 chains and \$0.84. The chainage includes 2,831 chains of control traverse at a cost of \$1.39 per chain. (Appendix C).

OFFICE.

Nine hundred and seventy documents of title were prepared as compared with 362 in 1920. (Appendix D).

PROGRESS WITH REFERENCE TO REQUISITIONS.

On the 1st January there were requisitions for 699 lots on the books, and 634 were received during the year making 1,333 to be dealt with. At the end of the year there remained unsatisfied 767, of which 381 awaited survey. Of these 182 were in Penang, 86 in the Province and 113 in the Dindings.

Mr. R. L. BUCKWELL, Acting Superintendent, was in charge throughout the year. He has since been promoted to be a Superintendent from 1st January, 1921.

MALACCA.

EXPENDITURE AND REVENUE.

7. The expenditure was \$114,282 as compared with \$79,010 in 1920. (Appendix A).

The revenue collected was \$14,190 as compared with \$15,516. (Appendix B).

FIELD.

The actual field cost was \$41,193 as compared with \$28,354 in 1920. Six hundred and ten lots were surveyed and traverses totalled 46,295 chains at a cost of \$0.89 per chain. The corresponding figures in 1920 were 324 lots, 28,800 chains and \$0.99. The cost per acre of agricultural lots and customary holdings was \$2.39 and \$3.38 respectively. (Appendix C).

OFFICE.

One hundred and ninety-one documents of title were prepared as compared with 123 in 1920. (Appendix D).

PROGRESS WITH REFERENCE TO REQUISITIONS.

The arrears of customary holdings at the beginning of the year were 4,739, and at the end 4,799 of which 4,691 awaited survey. Of requisitions for other surveys there were 920 at the beginning of the year and 77 were received making 997. At the end of the year there remained unsatisfied 849, of which 595 awaited survey. Not only is Malacca the largest and the oldest of the Settlements, but the state of surveys there and the office records is so much worse than even in the other Settlements, that little progress can be made with arrears until the extension of control surveys will permit of an entire re-survey.

Mr. E. AUNE, Acting Superintendent, was in charge till he went on leave on the 1st December when he was relieved by Mr. T. LE FEVRE. Mr. LE FEVRE has since been promoted to the grade of Superintendent from 1st January, 1921.

TOPOGRAPHICAL SURVEYS.

8. The following special surveys were made by the Topographical Branch of the Federated Malay States Survey Department.

A survey of two sites at Pulau Jerejak was made in 1920 at the request of the Resident Councillor, Penang. Area 0.09 of a square mile, scale two chains to an inch, vertical interval 10 feet. The cost \$1,590 was paid in 1921.

The survey of Penang Hills residential area, commenced in 1920, was completed in February, the area surveyed being 0.61 of a square mile. The total area of the survey is 1.87 square miles, the scale 10 inches to a mile, and the vertical interval 20 ft. The total cost of this survey was \$8,142 of which \$2,126 was paid in 1921.

At the request of the Singapore Improvement Trust two areas at Singapore were surveyed, one of 4.45 square miles at Teluk Blangah and 3.62 square miles at Kalang-Gelang. The scale used was 20 inches to the mile with a vertical interval of 10 feet. The cost of this work was \$27,111, paid shortly after the close of the financial year.

Provision was made for the Topographical survey of Singapore Island on a scale of 4 inches to a mile with vertical intervals of 25 feet to take two years, commencing in 1922, the estimated cost being \$150,000. As a preliminary all the 4 chain revenue survey sheets in Singapore were traced for photo-reduction, and the preparation of the plane tables was put in hand.

ADMINISTRATION.

9. The Colony's contribution to the expense of the Surveyor-General's office was \$16,448.

The Surveyor-General, Mr. C. M. GOODYEAR, returned from leave in January and was in charge the remainder of the year.

Mr. C. J. PERKINS, who had acted during his absence, acted as Assistant Surveyor-General till he went on leave in July, when he was replaced by Mr. V. A. LOWINGER.

C. M. GOODYEAR,

Surveyor-General, F. M. S. & S. S.

[No. 3769/22.]

| | Expended 1920. | Estimated 1921. | Expended 1921. | Distribution of 1921 Expenditure. | | | | | |
|---|-------------------|--------------------|-------------------|-----------------------------------|---------|---------|---------|----------|---------|
| | | | | Singapore. | | Penang. | | Malacca. | |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Personal Emoluments (a) ... | 126,489 | 173,626 | 146,613 | ... | 53,550 | ... | 46,656 | ... | 47,407 |
| OTHER CHARGES. | | | | | | | | | |
| I.—ANNUALLY RECURRENT. | | | | | | | | | |
| Field and Transport Allowances ... | 13,292 | 19,400 | 19,005 | ... | ... | 5,610 | ... | 8,150 | ... |
| Survey and Demarcation Expenses (a) ... | 32,738 | 58,500 | 60,630 | ... | ... | 14,932 | ... | 32,183 | ... |
| Instruments and Materials ... | 8,343 | 7,350 | 6,954 | ... | ... | 689 | ... | 3,959 | ... |
| Contingencies ... | 247 | 600 | 561 | ... | ... | 199 | ... | 197 | ... |
| Zincographic Branch ... | 2,160 | 1,350 | 841 | ... | ... | ... | ... | ... | ... |
| II.—SPECIAL EXPENDITURE. | | | | | | | | | |
| ... | 56,780 | 87,200 | 87,991 | ... | 22,072 | ... | 21,430 | ... | 44,489 |
| ... | 601 | 3,300 | 432 | ... | 37 | ... | 195 | ... | 200 |
| Total expenditure provided in Estimates | 183,870 | 264,126 | 235,036 | ... | 75,659 | ... | 67,281 | ... | 92,096 |
| Temporary Allowances ... | 62,179 | ... | 64,733 | ... | 22,388 | ... | 20,159 | ... | 22,186 |
| Total expenditure on Revenue Surveys | 246,049 | ... | 299,769 | ... | 98,047 | ... | 87,440 | ... | 114,282 |
| 1920 arrears paid in 1921 | 17,710 | ... | ... | ... | ... | ... | ... | ... | ... |
| ADDITIONAL EXPENDITURE NOT PROVIDED FOR IN ESTIMATES. | | | | | | | | | |
| ANNUALLY RECURRENT. | | | | | | | | | |
| Overhead Charges. (Share of Surveyor-General's Office). | | | | | | | | | |
| Personal Emoluments and Transport | ... | ... | 14,087 | ... | ... | ... | ... | ... | ... |
| Temporary Allowances ... | ... | ... | 2,361 | ... | ... | ... | ... | ... | ... |
| SPECIAL EXPENDITURE. | | | | | | | | | |
| Triangulation of Straits Settlements ... | ... | ... | 16,448b | ... | 5,483 | ... | 5,483 | ... | 5,482 |
| Special Topographical Surveys ... | ... | ... | 33,622b | ... | 12,287b | ... | 9,841b | ... | 11,494b |
| ... | ... | ... | 30,827 | ... | 27,111b | ... | 3,716 | ... | ... |
| ... | ... | ... | 380,666 | ... | 142,928 | ... | 106,480 | ... | 131,258 |

(a).—Items Mandors and Chain-bearers transferred from Personal Emoluments, (b).—Paid after close of financial year to Expenses of Survey and Demarcation.

APPENDIX B.

Comparative Return of Revenue collected in 1920 and 1921.

| | SINGAPORE. | | PENANG. | | MALACCA. | | TOTAL. | |
|------------------------|------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| Survey Fees ... | \$ 10,770 | \$ 15,567 | \$ 9,783 | \$ 12,427 | \$ 11,008 | \$ 11,685 | \$ 31,561 | \$ 39,679 |
| Sale of Maps, etc. ... | 2,719 | 2,353 | 1,231 | 994 | 974 | 277 | 4,924 | 3,624 |
| Boundary Marks ... | 930 | 930 | 1,023 | 1,009 | 3,534 | 2,228 | 5,487 | 4,167 |
| Total ... | 14,419 | 18,850 | 12,037 | 14,430 | 15,516 | 14,190 | 41,972 | 47,470 |

APPENDIX C.

Progress and cost of Fieldwork.

| | SINGAPORE. | | | | | | | PENANG. | | | | | | | MALACCA. | | | | | | | TOTAL. | | | | | | | |
|----------------------------------|------------|--------|---------|---------------|----------------|-----------------|-------------|---------|--------|---------|---------------|----------------|-----------------|-------------|----------|--------|---------|---------------|----------------|-----------------|-------------|--------|--------------------|---------|---------------|----------------|-----------------|-------------|-------|
| | Lots. | Acres. | Chains. | Cost per lot. | Cost per acre. | Cost per chain. | Total cost. | Lots. | Acres. | Chains. | Cost per lot. | Cost per acre. | Cost per chain. | Total cost. | Lots. | Acres. | Chains. | Cost per lot. | Cost per acre. | Cost per chain. | Total cost. | Lots. | Acres. | Chains. | Cost per lot. | Cost per acre. | Cost per chain. | Total cost. | |
| | | | | \$ | \$ c. | \$ c. | \$ | | | | \$ c. | \$ c. | \$ | \$ c. | | | | \$ c. | \$ | \$ c. | \$ c. | | | | \$ | \$ c. | \$ c. | \$ | \$ c. |
| 1. Building Lots | 6 | ... | 183 | 24 90 | ... | 0 82 | 149 | 105 | ... | 1,401 | 16 51 | ... | 1 23 | 1,734 | ... | ... | ... | ... | ... | ... | ... | ... | 111 | ... | 1,584 | 16 96 | ... | 1 19 | 1,883 |
| 2. Residential Lots | 6 | 4 | 361 | 53 79 | ... | 0 89 | 323 | 37 | ... | 650 | 19 00 | ... | 1 08 | 703 | 33 | 36 | ... | 1,078 | ... | ... | 1 03 | 1,116 | 76 | 79 | 2,089 | 26 87 | ... | 1 03 | 2,142 |
| 3. Mining Lots | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4. Agricultural Lots | 110 | 3,067 | 4,608 | 38 17 | 1 37 | 0 91 | 4,199 | 391 | 2,836 | 13,922 | 31 83 | 439 | 0 89 | 12,445 | 368 | 5,013 | 14,421 | 36 58 | 2 39 | 0 83 | 12,018 | 869 | 10,916 | 32,951 | 32 98 | 2 63 | 0 87 | 28,662 | |
| 5. Forest Reserves | ... | ... | 41 | ... | ... | 1 65 | 68 | 2 | 2,528 | 331 | ... | ... | 0 75 | 247 | ... | ... | ... | ... | ... | ... | ... | 2 | 2,528 ^a | 372 | ... | ... | 0 85 | 315 | |
| 6. Other Government Reserves | 5 | 33 | 379 | ... | ... | 0 72 | 273 | ... | ... | ... | ... | ... | ... | ... | 1 | 5 | 113 | ... | ... | 1 33 | 150 | 6 | 38 | 492 | ... | ... | 0 86 | 423 | |
| 7. Road Reserves | ... | ... | 1,541 | ... | ... | 0 95 | 1,458 | ... | ... | 350 | ... | ... | 0 85 | 299 | ... | ... | 9,177 | ... | ... | 1 01 | 9,301 | ... | ... | 11,068 | ... | ... | 1 00 | 11,058 | |
| 8. Railway Reserves | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,739 | ... | ... | 0 50 | 867 | ... | ... | 1,739 | ... | ... | 0 50 | 867 | |
| 9. Customary Holdings | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 151 | 487 | 2,418 | 10 89 | 3 38 | 0 64 | 1,645 | 151 | 487 | 2,418 | 10 89 | 3 38 | 0 64 | 1,645 | |
| 10. Circuit Traverses | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,327 | ... | ... | 0 68 | 910 | ... | ... | ... | ... | ... | ... | ... | |
| 11. Connections | ... | ... | 1,934 | ... | ... | 0 87 | 1,696 | ... | ... | 1,154 | ... | ... | 0 57 | 657 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,415 | ... | ... | 0 74 | 3,263 | |
| 12. Control Traverses | ... | ... | 3,118 | ... | ... | 1 63 | 5,092 | ... | ... | 2,831 | ... | ... | 1 39 | 3,955 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5,949 | ... | ... | 1 52 | 9,047 | |
| 13. River Traverses | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | ... | ... | 0 87 | 19 | ... | ... | ... | 22 | ... | ... | 0 87 | 19 |
| 14. District and Town Boundaries | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 456 | ... | ... | 1 13 | 517 | ... | ... | 456 | ... | ... | 1 13 | 517 | |
| 15. Sub-divisional Surveys | 1,057 | ... | 16,078 | ... | ... | 0 94 | 14,965 | 317 | ... | 8,777 | ... | ... | 0 93 | 8,173 | 57 | ... | 1,466 | ... | ... | 1 07 | 1,566 | 1,431 | ... | 26,321 | ... | ... | 0 94 | 24,704 | |
| 16. Other Minor Surveys | ... | ... | 497 | ... | ... | 1 07 | 534 | ... | ... | 234 | ... | ... | 0 91 | 214 | ... | ... | 556 | ... | ... | 0 67 | 374 | ... | ... | 1,287 | ... | ... | 0 87 | 1,122 | |
| 17. Detail Survey of Towns | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3,636 | ... | ... | 1 07 | 3,887 | ... | ... | 3,636 | ... | ... | 1 07 | 3,887 | |
| 18. Miscellaneous Topo. Surveys | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9,886 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 19. Re-surveys | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1921 | 1,184 | 3,104 | 28,740 | ... | ... | 1 00 | 28,757 | 852 | 5,403 | 29,650 | ... | ... | 0 96 | 28,427 | 610 | 5,541 | 46,295 | ... | ... | 0 89 | 41,193 | 2,646 | 14,048 | 104,685 | ... | ... | 0 94 | 98,377 | |
| 1920 | 1,480 | ... | 29,574 | ... | ... | 0 80 | 23,790 | 1,004 | ... | 34,011 | ... | ... | 0 84 | 28,654 | 324 | ... | 28,800 | ... | ... | 0 99 | 28,354 | 2,808 | ... | 92,385 | ... | ... | 0 87 | 80,798 | |

(a) Partly surveyed in 1920.

APPENDIX D.
Return of Office Work.

| | Singapore. | | Penang. | | Malacca. | | Total. | |
|---|------------|-------|---------|-------|----------|-------|--------|-------|
| | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| <i>I.—Documents for Registration of Title, etc.</i> | | | | | | | | |
| Grants ... | 107 | 291 | 311 | 723 | 100 | 96 | 518 | 1,110 |
| Leases ... | 3 | 33 | ... | ... | ... | 9 | 3 | 42 |
| Endorsements ... | 14 | 12 | 2 | ... | ... | ... | 16 | 12 |
| Customary Holdings ... | ... | ... | ... | ... | ... | 23 | ... | 23 |
| Certified Plans ... | 86 | 320 | 49 | 247 | 23 | 63 | 158 | 630 |
| <i>II.—Miscellaneous.</i> | | | | | | | | |
| Tracings prepared ... | 961 | 819 | 3,803 | 1,719 | 2,623 | 1,656 | 7,387 | 4,194 |

APPENDIX F.
Progress with Reference to Requisitions.

| | SINGAPORE. | | | | PENANG. | | | | MALACCA. | | | | TOTAL. | | | |
|---|---------------|--------|-------|---------------|---------------|--------|-------|---------------|---------------|--------|---------------------|--------|---------------|--------|---------------------|---------------|
| | Agricultural. | | Town. | | Agricultural. | | Town. | | Agricultural. | | Customary Holdings. | | Agricultural. | | Customary Holdings. | |
| | Lots. | Acres. | Lots. | Sub-division. | Lots. | Acres. | Lots. | Sub-division. | Lots. | Acres. | Lots. | Acres. | Lots. | Acres. | Lots. | Sub-division. |
| Unsatisfied Requisitions on 1st January, 1921. ... | 89 | 5,599 | 8 | 829 | 31 | 4,028 | 31 | 313 | 673 | 10,739 | 4,739 | 8,651 | 1,117 | 20,366 | 4,739 | 1,389 |
| Requisitions received during 1921 ... | 44 | 372 | 30 | 491 | 47 | 802 | 47 | 430 | 46 | 236 | 218 | 603 | 247 | 1,410 | 218 | 950 |
| TOTAL ... | 133 | 5,971 | 38 | 1,320 | 78 | 4,830 | 78 | 743 | 719 | 10,975 | 4,957 | 9,254 | 1,364 | 21,776 | 4,957 | 2,339 |
| Requisitions satisfied during 1921 ... | 120 | 5,857 | 10 | 1,038 | 49 | 1,463 | 49 | 290 | 124 | 2,392 | 57 | 153 | 457 | 9,712 | 57 | 1,345 |
| Requisitions cancelled during 1921 ... | ... | ... | ... | 30 | ... | 14 | ... | 9 | 7 | 199 | 101 | 286 | 12 | 213 | 101 | 39 |
| Requisitions remaining unsatisfied on 31st December, 1921 ... | 13 | 114 | 28 | 252 | 29 | 3,353 | 29 | 444 | 588 | 8,384 | 4,799 | 8,815 | 895 | 11,851 | 4,799 | 955 |
| Total agreeing with total above ... | 133 | 5,971 | 38 | 1,320 | 78 | 4,830 | 78 | 743 | 719 | 10,975 | 4,957 | 9,254 | 1,364 | 21,776 | 4,957 | 2,339 |
| <i>Details of Unsatisfied Requisitions.</i> | | | | | | | | | | | | | | | | |
| Awaiting survey ... | 13 | 114 | 28 | 149 | 24 | 2,602 | 24 | 195 | 356 | 6,087 | 4,691 | 8,466 | 531 | 8,803 | 4,691 | 581 |
| In Land Office for settlement ... | ... | ... | ... | ... | 1 | 192 | 1 | 12 | 2 | 100 | ... | ... | 45 | 292 | ... | 1 |
| Awaiting action in Office ... | ... | ... | ... | 103 | 4 | 559 | 4 | 237 | 230 | 2,197 | 108 | 349 | 319 | 2,756 | 108 | 362 |
| Total unsatisfied Requisitions ... | 13 | 114 | 28 | 252 | 29 | 3,353 | 29 | 444 | 588 | 8,384 | 4,799 | 8,815 | 895 | 11,851 | 4,799 | 955 |

MARINE DEPARTMENT, STRAITS SETTLEMENTS.

1. The total revenue collected in the Colony amounted to \$66,921.91 in 1921.

SINGAPORE.

2. The different heads of revenue are shown in Appendix (S) A.

3. The numbers of European and native seamen shipped and discharged were 1,289 and 17,261 and 1,231 and 17,157, respectively, as against 1,125 and 17,174 and 1,123 and 14,751, respectively, in 1920.

4. The numbers of European and native seamen who died and deserted were 8 and 242 and 5 and 114, respectively, as against 18 and 62 and 12 and 131, respectively, in 1920.

5. The number of European seamen who obtained certificates of competency under section 23 of the Merchant Shipping Ordinance, 1910, as masters and mates for foreign-going ships was 4 and 13, and the number of native seamen who obtained certificates of competency as masters and gunners for local steam vessels was 1 and 6, respectively; and as helmsmen, 21.

STRAITS SETTLEMENTS.

Shipping.

6. The number and tonnage of all vessels, *i.e.*, merchant vessels, native craft and warships, etc., entered and cleared at the five ports of the Colony during the year 1921, were 67,806 and 27,901,260, being an increase of 699,787 tons as compared with 1920. Appendix (S) B.

Of this increase between the years 1920 and 1921 Singapore contributes 613,530 tons; Penang 112,221 tons; Malacca, Labuan and Christmas Island a decrease of 25,964 tons.

Comparing the tonnage of merchant-vessels only (*i.e.*, all vessels above 50 tons net register) the increase is 1,027,886 tons as shown in the following statement:—

Statement showing combined arrivals and departures of merchant-vessels in 1921.

| Nationality. | Singapore. | Penang. | Malacca. | Christmas Island and Labuan. | Total tonnage, entered and cleared. | + Increase — Decrease as compared with 1920. |
|-------------------|------------|-----------|----------|------------------------------|-------------------------------------|--|
| American ... | 1,151,746 | 205,046 | ... | ... | 1,356,792 | — 298,966 |
| Belgian ... | ... | ... | ... | ... | ... | — 4,006 |
| Brazilian ... | 11,138 | ... | ... | ... | 11,138 | — 24,760 |
| British ... | 8,153,028 | 4,769,644 | 385,014 | 186,369 | 13,494,055 | + 354,730 |
| Chinese ... | 88,838 | 7,520 | ... | ... | 96,358 | + 45,478 |
| Czecho-Slovak ... | 14,092 | ... | ... | ... | 14,092 | + 14,092 |
| Danish ... | 273,470 | 96,420 | ... | ... | 369,890 | — 15,517 |
| Dutch ... | 2,873,526 | 541,958 | 564 | 1,150 | 3,417,198 | + 691,916 |
| French ... | 928,516 | 124,252 | ... | ... | 1,052,768 | + 185,115 |
| German ... | 4,176 | ... | ... | ... | 4,176 | — 7,308 |
| Greek ... | ... | ... | ... | ... | ... | — 13,934 |
| Inter-Allied ... | 11,322 | ... | ... | ... | 11,322 | — 67,012 |
| Italian ... | 191,566 | 93,942 | ... | ... | 285,508 | — 28,090 |
| Japanese ... | 3,584,708 | 507,680 | 124,670 | 47,806 | 4,264,864 | + 106,402 |
| Norwegian ... | 178,496 | 16,862 | ... | ... | 195,358 | + 85,654 |
| Portuguese ... | 19,884 | ... | ... | ... | 19,884 | — 11,470 |
| Russian ... | ... | ... | ... | ... | ... | — 55,508 |
| Spanish ... | 62,942 | ... | ... | ... | 62,942 | + 6,572 |
| Swedish ... | 62,820 | ... | ... | 8,582 | 71,402 | + 26,710 |
| Sarawak ... | 69,995 | ... | ... | 1,155 | 71,150 | — 8,958 |
| Siamese ... | 253,093 | 3,808 | ... | ... | 256,901 | + 46,746 |
| Total ... | 17,933,356 | 6,367,132 | 510,248 | 245,062 | 25,055,798 | + 1,027,886 |

SINGAPORE.

Shipping.

TOTAL TONNAGE (S) B.

7. The number and tonnage of all vessels entered and cleared at this port during the year 1921 were 42,703 and 19,936,444 as compared with 46,005 and 19,322,914 in 1920; being an increase of 613,530 tons.

MERCHANT-VESSELS (S) C.

8. The number and tonnage of merchant-vessels above 50 tons net register entered and cleared during 1921 were 11,384 and 17,933,356; being an increase of 832,545 tons as compared with 1920. Eleven countries show increases aggregating 1,183,867 tons and ten countries show decreases amounting to 351,322 tons. Appendix (S) E.

Appendices.

9. Appendix (S) B shows tonnage entered and cleared at the five ports of the Colony.

10. Appendix (S) C shows number and tonnage of merchant-vessels belonging to each country.

11. Appendix (S) *D* shows number and tonnage of warships, etc., belonging to each country.

12. Appendix (S) *E* shows tonnage of British and Foreign merchant-vessels entered and cleared during the five years 1917–1921, and the increase or decrease in tonnage in 1921 as compared with 1920.

13. Appendix (S) *F* is a comparative statement of merchant-vessels between the years 1920 and 1921.

14. Appendix (S) *G* shows arrivals and departures of Local Trade and Foreign-going vessels during the years 1920 and 1921.

15. Appendix (S) *H* shows countries from which British and Foreign merchant-vessels arrived during the year 1921.

16. Appendix (S) *I* shows countries to which British and Foreign merchant-vessels departed during the year 1921.

17. Appendix (S) *J* shows tonnage of native craft and steamers under 50 tons entered and cleared at Singapore from and for each country.

18. Appendix (S) *K* is a comparative statement of native craft, etc.

19. Appendix (S) *L* shows tonnage and nationality of vessels entered and cleared at Victoria Harbour, Labuan.

20. Appendix (S) *M* shows tonnage and nationality of vessels entered and cleared at Flying-fish Cove, Christmas Island.

Native Craft.

21. The number and tonnage of small steamers under 50 tons net register and native sailing-vessels entered and cleared were 31,213 and 1,634,634, being a decrease of 128,803 tons as compared with 1920.

Registry of Shipping.

22. Seventy-seven steamers of 42,064 tons gross and 22,304 tons net, and six hundred and three sailing-vessels of 66,639 tons gross and 65,659 tons net register remained on the Register on the 31st December, 1921.

23. During the year five steamers of 2,890 tons gross and thirty-three sailing-vessels of 3,884 tons gross were added to the Register. During the same period eighteen steamers of 24,550 tons and twenty-nine sailing-vessels of 4,219 tons were struck off the Register.

24. The steamers added were the *Ayuthia*, *Ranee*, *Seamew*, *Dalmore* and *Kelantan*. The *Ayuthia* was purchased from foreigners, the *Ranee* re-registered, the *Seamew* purchased from the Colonial Government, the *Dalmore* and *Kelantan* were new vessels; the former built here and the latter in Dundee.

25. Regarding the thirty-three sailing-vessels added to the Register twenty-seven were new vessels built here, five were purchased from foreigners and one was registered anew.

26. The eighteen steamers struck off were the *Anghin*, *Manila*, *Wong Koi*, *Chow Fa*, *Sandakan* and *Tak Lee*, sold to foreigners; the *Malacca*, *Tanjong Rhu*, and *Machew*, broken up; the *Hong Moh* and *Hong Wan I*, wrecked; the *Kwong Eng* and *Teo Pao*, transferred to Hongkong; the *Dalmore*, *Kelston* and *Flower II*, transferred to London; the *Ranee* and *Lin Ann* were registered anew. Five sailing-vessels foundered, two broken up, six sold to foreigners and sixteen transferred to London.

Vessels not exceeding 60 Tons Net Register, registered under Section 90 of the Merchant Shipping Act, 1894.

27. One hundred and thirty-seven small steamers and launches of 4,721 tons gross and seventy-six sailing-vessels of 2,495 tons gross remained on the Register on the 31st December, 1921.

**Foreign-owned Tongkangs licensed under Section 424 of the
Merchant Shipping Ordinance, 1910.**

28. Two hundred and eighty-one vessels aggregating 24,896 tons remained on the Register on the 31st December, 1921.

29. Nineteen vessels of 1,937 tons were added to and six vessels of 751 tons deducted from the Register during the year.

30. In 1921 two hundred and thirty-two licences were issued under this Ordinance, made up as follows:—Sixteen in respect of new vessels, three were formerly registered under the Merchant Shipping Act, whilst two hundred and thirteen licences were renewed.

31. The licences of six vessels were struck off the Register for the following reasons:—Three foundered and three were registered under the Merchant Shipping Act.

New Vessels.

32. During the year thirteen new steam-vessels aggregating 1,693 tons gross and 680 tons net and one motor-boat of 23 tons gross and 12 tons net were registered under the Imperial Shipping Acts. Also twenty-nine sailing-vessels were registered of 3,252 tons gross and 3,051 tons net.

33. During the same period sixteen new sailing-vessels of 1,539 tons were licensed under section 424 of the Merchant Shipping Ordinance, 1910. Also seven hundred and ninety-one aggregating 8,667 tons were licensed as cargo-boats under section 425 of the same Ordinance.

Fees.

34. The following is a statement of the number of cargo-boats, passenger-boats, fishing-boats, tongkangs and fishing-stakes licensed during 1921 with the fees collected under each head:—

| | No. | \$ | c. |
|--|-------|--------|----|
| Cargo-boats, section 427, Merchant Shipping Ordinance, 1910 ... | 4,829 | 8,725 | 50 |
| Passenger-boats do. do. ... | 466 | 466 | 00 |
| Fishing-boats do. do. ... | 325 | 162 | 50 |
| Tongkangs, section 424 (5) do. ... | 232 | 1,505 | 00 |
| Fishing-stakes, Ordinance IX of 1909 ... | 321 | 1,979 | 00 |
| Registration of Shipping, section 474, Merchant Shipping Ordinance, 1910 ... | | 2,187 | 00 |
| Total amount of fees collected by the Shipping Registry Office ... | ... | 15,025 | 00 |

This is a decrease of \$885.40 as compared with 1920.

LABUAN.

Shipping.

35. The tonnage of merchant-vessels entered and cleared was 153,436 tons, being an increase of 18,564 tons as compared with 1920.

36. Native sailing-vessels and small steamers under 50 tons net register entered and cleared show an increase of 254 tons as compared with 1920, the figures being 43,550 tons in 1921 and 43,296 tons in 1920.

37. Appendix (S) L shows the nationality and tonnage of vessels entered and cleared at Victoria Harbour, for the five years 1917 to 1921,

CHRISTMAS ISLAND.

38. Appendix (S) *M* shows the nationality and tonnage of merchant-vessels entered and cleared at Flying-fish Cove, during the five years 1917 to 1921.

PENANG.

39. The total revenue collected during the year was \$22,723.42 against \$22,635.40 in 1920, an increase of \$88.02. See Appendix (P) *A*.

40. The numbers of European and native seamen shipped and discharged were 63 and 2,292 and 58 and 2,349, respectively, as against 58 and 2,386 and 66 and 2,311, respectively in 1920. The fees collected on this account amounted to \$1,617.07 against \$1,729.97 in 1920, a decrease of \$112.90.

41. The numbers of European and native seamen who died were 2 and 22 as against nil and one, respectively in 1920.

42. The number of native seamen who deserted was 42 as against 79 in 1920.

43. The number of native seamen who obtained certificates of competency as masters for local steam-vessels under 50 tons was nil and the number who obtained certificates of competency as third class gunners was 3 and as helmsmen nil.

Shipping.

44. The number and tonnage of all vessels entered and cleared at the Port of Penang were 14,941 and 7,021,825 respectively. See Appendix (P) *B*.

45. Appendix (P) *C* shows the number and tonnage of merchant-vessels belonging to each country.

46. Appendix (P) *D* shows the number and tonnage of warships, etc., belonging to each country.

47. Appendix (P) *E* shows arrivals and departures of British and Foreign merchant-vessels during the five years 1917 to 1921, and the increase or decrease in tonnage in 1921 as compared with 1920.

48. Appendix (P) *F* is a comparative statement of merchant-vessels between the years 1920 and 1921.

49. Appendix (P) *G* shows arrivals and departures of local-trade vessels and foreign-going vessels during the years 1920 and 1921.

50. Appendix (P) *H* shows the countries from which British and Foreign merchant-vessels arrived during the year 1921.

51. Appendix (P) *I* shows the countries to which British and Foreign merchant-vessels departed during the year 1921.

52. Appendix (P) *J* shows the countries from which native craft and steam-vessels under 50 tons arrived and also the countries to which they cleared during the year 1921.

53. Appendix (P) *K* is a comparative statement showing the arrivals and departures of native craft and steam-vessels under 50 tons between the years 1920 and 1921.

Registry of Shipping.

54. Thirteen steamers of 1,799 tons and 5 sailing-vessels of 447 tons remained on the Register on 31st December, 1921.

55. During the year two steamers were struck off the Register.

56. One document was dealt with under the Merchant Shipping Act, 1894, and the amount of fees collected was \$20.

57. Under the Colonial Registration Regulations, 1912, 36 steamers and 26 sailing-vessels aggregating 888 and 1,034 tons (net) respectively, remained on the Register on 31st December, 1921.

58. During the year one steamer was struck off and one was added to the Register.

59. Two documents were dealt with and the amount of fees collected was \$17.

Registration of Boats (and Fisheries).

60. The following is a statement of the number of cargo-boats, fishing-boats, passenger-boats, junks, tongkangs, fishing-stakes, fishing-nets, hooks and pompangs licensed during the year 1921, with fees collected under each head:—

| | | | No. | \$ | c. |
|--|-----|-----|-------|----------|----|
| Cargo-boats | ... | ... | 1,181 | 1,999 | 50 |
| Passenger-boats | ... | ... | 368 | 368 | 00 |
| Fishing-boats | ... | ... | 3,474 | 1,737 | 00 |
| Junks and tongkangs | ... | ... | 607 | 3,053 | 50 |
| Fishing-stakes | ... | ... | 646 | 4,856 | 00 |
| Fishing-nets | ... | ... | 594 | 3,647 | 25 |
| Hooks | ... | ... | 35 | 461 | 00 |
| Pompangs | ... | ... | 576 | 2,782 | 00 |
| | | | | \$18,904 | 25 |
| | | | | \$ | c. |
| Fees collected under the Merchant Shipping Act, 1894 | ... | ... | ... | 20 | 00 |
| Fees collected under the Colonial Registration Regulations, 1912 | ... | ... | ... | 17 | 00 |
| Total | ... | ... | ... | \$18,941 | 25 |

MALACCA.

Revenue.

61. The total amount collected was \$3,821.91 as against \$5,116.56 in 1920.

Shipping.

62. The arrivals and departures of British and Foreign merchant-vessels above 50 tons net register are shown in Appendices (M) *B* and *C*.

63. Appendix (M) *D* shows number and tonnage of warships, etc., belonging to each country.

64. Appendix (M) *E* shows nationality, number and tonnage of steamers entered during the year 1921.

65. Appendix (M) *F* shows nationality, number and tonnage of steamers cleared during the year 1921.

66. Appendix (M) *G* is a comparative statement of shipping between the years 1920 and 1921.

67. Appendix (M) *H* shows arrivals and departures of British and Foreign native craft and steamers under 50 tons during the year 1921.

68. Appendix (M) *I* shows tonnage of native craft and steamers under 50 tons arrived from each country.

69. Appendix (M) *J* shows tonnage of native craft and steamers under 50 tons cleared to each country.

70. Appendix (M) *K* is a comparative statement of native craft and steamers under 50 tons between the years 1920 and 1921.

71. Statement of boats, etc., licensed [during 1921 with the fees collected under each head:—

| <i>Description of Boats.</i> | | | No. | \$ | c. |
|------------------------------|-----|-----|-------|-----|----------|
| Cargo-boats | ... | ... | 363 | 545 | 15 |
| Passenger-boats | ... | ... | 29 | 29 | 00 |
| Fishing-boats | ... | ... | 829 | 414 | 50 |
| Fishing-stakes | ... | ... | 139 | 931 | 00 |
| Fishing-nets | ... | ... | 437 | 613 | 00 |
| Junks and tongkangs | ... | ... | 62 | 316 | 00 |
| | | | Total | ... | 2,848 65 |

W. H. CALTHROP
CAPTAIN, R.N.,

Master Attendant, Straits Settlements.

MASTER ATTENDANT'S OFFICE,
SINGAPORE, 7th March, 1922.

Singapore.
APPENDIX (S) A.
Revenue.

| No. | Heads of Revenue. | 1920. | 1921. | Increase. | Decrease. |
|-----|---|-----------|-----------|-----------|-----------|
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| | CLASS I. | | | | |
| | <i>Licence, Excise and Internal Revenue not otherwise classified.</i> | | | | |
| 1 | Certificates of Competency ... | 487 00 | 392 00 | ... | 95 00 |
| 2 | Cargo-boats, Registration of ... | 8,703 90 | 8,725 50 | 21 60 | ... |
| 3 | Fishing-boats " ... | 131 00 | 162 50 | 31 50 | ... |
| 4 | Fishing-stakes " ... | 1,994 00 | 1,979 00 | ... | 15 00 |
| 5 | Junks and Tongkangs " ... | 1,430 50 | 1,505 00 | 74 50 | ... |
| 6 | Passenger-boats " ... | 409 00 | 466 00 | 57 00 | ... |
| 7 | Shipping " ... | 3,242 00 | 2,187 00 | ... | 1,055 00 |
| | CLASS II. | | | | |
| | <i>Fees of Court or Office, Payments for Specific Services and Reimbursements in aid.</i> | | | | |
| 8 | Marine Court Fees ... | 3,598 27 | 5,232 51 | 1,634 24 | ... |
| 9 | Pilot Licence ... | 68 00 | ... | ... | 68 00 |
| | <i>Carried forward</i> ... | 20,063 67 | 20,649 51 | 1,818 84 | 1,233 00 |

Singapore—Continued.
APPENDIX (S) A.—Continued.
Revenue—Continued.

| No. | Heads of Revenue. | 1920. | 1921. | Increase. | Decrease. |
|-----|--|-----------|-----------|-----------|-----------|
| | CLASS II.—Continued. | | | | |
| | <i>Fees of Court, etc.—Continued.</i> | | | | |
| | <i>Brought forward</i> ... | 20,063 67 | 20,649 51 | 1,818 84 | 1,233 00 |
| 10 | Pilgrim Ships Ordinance, Certificate B | | | | |
| 11 | Recording British Trade Marks | 700 00 | 380 00 | ... | 320 00 |
| 12 | Sale of Tide Tables | 156 00 | 126 00 | ... | 30 00 |
| 13 | " Masters' and Mates' Books | 211 00 | 225 00 | 14 00 | ... |
| 14 | " Handbook on Chart | ... | ... | ... | ... |
| 15 | " Pilot Ordinance | ... | ... | ... | ... |
| 16 | " Pilgrim Ships Ordinance | ... | ... | ... | ... |
| 17 | " Ports Ordinance | 1 00 | ... | ... | 1 00 |
| 18 | Shipping of Seamen | 0 40 | ... | ... | 0 40 |
| 19 | Certificates of Origin, Landing and Shipping Goods | 15,916 06 | 14,585 12 | ... | 1,330 94 |
| | | 808 00 | 1,237 00 | 429 00 | ... |
| | CLASS V. | | | | |
| | <i>Miscellaneous Receipts.</i> | | | | |
| 20 | Sales, Miscellaneous | 2,767 43 | 1,335 37 | ... | 1,432 06 |
| | Total ... | 40,623 56 | 38,538 00 | 2,261 84 | 4,347 40 |

APPENDIX (S) B.

The Total Net Tonnage of Shipping, entered and cleared at the Ports of the Colony during the year 1921 was as follows:—

| | ENTERED. | | CLEARED. | | TOTAL. | |
|-------------------------------------|----------|------------|----------|------------|--------|------------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| SINGAPORE. | | | | | | |
| Merchant Vessels ... | 5,685 | 8,961,547 | 5,699 | 8,971,809 | 11,384 | 17,933,356 |
| Native Craft ... | 15,589 | 813,518 | 15,624 | 821,116 | 31,213 | 1,634,634 |
| Warships, etc. ... | 53 | 184,227 | 53 | 184,227 | 106 | 368,454 |
| Total ... | 21,327 | 9,959,292 | 21,376 | 9,977,152 | 42,703 | 19,936,444 |
| PENANG. | | | | | | |
| Merchant Vessels ... | 1,821 | 3,184,634 | 1,820 | 3,182,498 | 3,641 | 6,367,132 |
| Native Craft ... | 6,512 | 286,182 | 4,758 | 244,845 | 11,270 | 531,027 |
| Warships, etc. ... | 15 | 61,833 | 15 | 61,833 | 30 | 123,666 |
| Total ... | 8,348 | 3,532,649 | 6,593 | 3,489,176 | 14,941 | 7,021,825 |
| MALACCA. | | | | | | |
| Merchant Vessels ... | 625 | 255,124 | 625 | 255,124 | 1,250 | 510,248 |
| Native Craft ... | 2,992 | 43,045 | 3,290 | 44,012 | 6,282 | 87,057 |
| Warships, etc. ... | 4 | 25,945 | 4 | 25,945 | 8 | 51,890 |
| Total ... | 3,621 | 324,114 | 3,919 | 325,081 | 7,540 | 649,195 |
| CHRISTMAS ISLAND AND LABUAN. | | | | | | |
| Merchant Vessels ... | 153 | 122,531 | 153 | 122,531 | 306 | 245,062 |
| Native Craft ... | 1,152 | 21,775 | 1,152 | 21,775 | 2,304 | 43,550 |
| Warships, etc. ... | 6 | 2,592 | 6 | 2,592 | 12 | 3,184 |
| Total ... | 1,311 | 146,898 | 1,311 | 146,898 | 2,622 | 293,796 |
| STRAITS SETTLEMENTS. | | | | | | |
| Merchant Vessels (a) ... | 8,284 | 12,523,836 | 8,297 | 12,531,962 | 16,581 | 25,055,798 |
| Native Craft (b) ... | 26,245 | 1,164,520 | 24,824 | 1,131,748 | 51,069 | 2,296,268 |
| Warships, etc. (c) ... | 78 | 274,597 | 78 | 274,597 | 156 | 549,194 |
| Grand Total ... | 34,607 | 13,962,953 | 33,199 | 13,938,307 | 67,806 | 27,901,260 |

(a) All steamers above 50 tons net register and ocean-going sailing-vessels. (b) Steamers under 50 tons net register and native sailing-vessels. (c) Warships, transports, yachts, cable ships, tugs, etc.

APPENDIX (S) C.

The nationality, number and tonnage of Merchant Vessels, entered and cleared during 1921.

| NATIONALITY. | ENTERED. | | CLEARED. | | TOTAL. | |
|-------------------|----------|-----------|----------|-----------|--------|------------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| American ... | 207 | 585,046 | 201 | 566,700 | 408 | 1,151,746 |
| Brazilian ... | 1 | 5,569 | 1 | 5,569 | 2 | 11,138 |
| British ... | 2,700 | 4,071,783 | 2,709 | 4,081,245 | 5,409 | 8,153,028 |
| Chinese ... | 25 | 42,251 | 29 | 46,587 | 54 | 88,838 |
| Danish ... | 51 | 136,735 | 51 | 136,735 | 102 | 273,470 |
| Dutch ... | 1,449 | 1,432,769 | 1,453 | 1,440,757 | 2,902 | 2,873,526 |
| French ... | 169 | 464,769 | 169 | 463,747 | 338 | 928,516 |
| German ... | 8 | 2,088 | 8 | 2,088 | 16 | 4,176 |
| Czecho-Slovak ... | 2 | 7,046 | 2 | 7,046 | 4 | 14,092 |
| Inter-Allied ... | 1 | 5,661 | 1 | 5,661 | 2 | 11,322 |
| Italian ... | 26 | 95,783 | 26 | 95,783 | 52 | 191,566 |
| Japanese ... | 656 | 1,787,174 | 662 | 1,797,534 | 1,318 | 3,584,708 |
| Norwegian ... | 98 | 88,496 | 98 | 90,000 | 196 | 178,496 |
| Portuguese ... | 3 | 9,942 | 3 | 9,942 | 6 | 19,884 |
| Sarawak ... | 59 | 35,508 | 57 | 34,487 | 116 | 69,995 |
| Siamese ... | 207 | 128,046 | 206 | 125,047 | 413 | 253,093 |
| Spanish ... | 13 | 31,471 | 13 | 31,471 | 26 | 62,942 |
| Swedish ... | 10 | 31,410 | 10 | 31,410 | 20 | 62,820 |
| Total ... | 5,685 | 8,961,547 | 5,699 | 8,971,809 | 11,384 | 17,933,356 |

APPENDIX (S) D.

The nationality, number and tonnage of Warships, etc., entered and cleared during 1921.

| NATIONALITY. | ENTERED. | | CLEARED. | | TOTAL. | |
|--------------|----------|----------|----------|----------|--------|----------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| American ... | 16 | 21,437 | 16 | 21,437 | 32 | 42,874 |
| British ... | 17 | 85,003 | 17 | 85,003 | 34 | 170,006 |
| Dutch ... | 5 | 2,909 | 5 | 2,909 | 10 | 5,818 |
| French ... | 4 | 13,110 | 4 | 13,110 | 8 | 26,220 |
| Japanese ... | 8 | 59,002 | 8 | 59,002 | 16 | 118,004 |
| Sarawak ... | 1 | 96 | 1 | 96 | 2 | 192 |
| Siamese ... | 1 | 170 | 1 | 170 | 2 | 340 |
| Chilian ... | 1 | 2,500 | 1 | 2,500 | 2 | 5,000 |
| Total ... | 53 | 184,227 | 53 | 184,227 | 106 | 368,454 |

APPENDIX (S) E.

Tonnage of British and Foreign Merchant Vessels, entered plus cleared at Singapore during the Five Years 1917 to 1921.

| NATIONALITY. | 1917. | | 1918. | | 1919. | | 1920. | | 1921. | | Increase in 1921 as compared with 1920. | Decrease in 1921 as compared with 1920. |
|---------------|--------|------------|-------|-----------|--------|------------|--------|------------|--------|------------|---|---|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | Tonnage. | Tonnage. |
| American | 44 | 100,160 | 85 | 146,956 | 125 | 327,758 | 474 | 1,303,796 | 408 | 151,746 | ... | 152,050 |
| Belgian | ... | ... | ... | ... | 2 | 2,768 | 2 | 2,622 | ... | ... | ... | 2,622 |
| Brazilian | ... | ... | ... | ... | ... | ... | 8 | 35,898 | 2 | 11,138 | ... | 24,760 |
| British | 5,175 | 4,495,512 | 4,307 | 3,348,734 | 5,501 | 6,516,855 | 5,802 | 7,940,852 | 5,409 | 8,153,028 | 212,176 | ... |
| Chinese | 364 | 326,210 | 316 | 327,755 | 74 | 84,975 | 32 | 47,594 | 54 | 88,838 | 41,244 | ... |
| Czecho-Slovak | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 14,092 | 14,092 | ... |
| Danish | 39 | 115,612 | 33 | 88,622 | 82 | 196,874 | 115 | 280,619 | 102 | 273,470 | ... | 7,149 |
| Dutch | 2,849 | 2,117,608 | 2,279 | 1,701,506 | 2,685 | 2,007,405 | 2,641 | 2,288,478 | 2,902 | 2,873,526 | 585,048 | ... |
| French | 232 | 397,266 | 276 | 355,049 | 364 | 581,307 | 427 | 838,755 | 338 | 928,516 | 89,761 | ... |
| German | ... | ... | ... | ... | ... | ... | 44 | 11,484 | 16 | 4,176 | ... | 7,308 |
| Greek | 6 | 14,776 | ... | ... | 4 | 11,872 | 6 | 13,934 | ... | ... | ... | 13,934 |
| Inter-Allied | ... | ... | ... | ... | 54 | 178,374 | 20 | 78,334 | 2 | 11,322 | ... | 67,012 |
| Italian | 6 | 20,176 | ... | ... | 14 | 47,854 | 46 | 166,296 | 52 | 191,566 | 25,270 | ... |
| Japanese | 883 | 2,261,925 | 1,291 | 2,768,883 | 1,511 | 3,439,005 | 1,277 | 3,541,520 | 1,318 | 3,584,708 | 43,188 | ... |
| Norwegian | 613 | 607,708 | 333 | 308,923 | 163 | 163,112 | 81 | 89,364 | 196 | 178,496 | 89,132 | ... |
| Portuguese | 2 | 2,290 | 8 | 9,160 | 6 | 16,286 | 12 | 31,354 | 6 | 19,884 | ... | 11,470 |
| Russian | 32 | 45,548 | 21 | 26,210 | 46 | 88,742 | 26 | 55,508 | ... | ... | ... | 55,508 |
| Sarawak | 171 | 103,835 | 157 | 93,139 | 170 | 104,614 | 136 | 79,504 | 116 | 69,995 | ... | 9,509 |
| Siamese | 243 | 105,856 | 403 | 214,215 | 410 | 230,872 | 351 | 193,837 | 413 | 253,093 | 59,256 | ... |
| Spanish | 20 | 44,760 | 10 | 19,294 | 20 | 48,626 | 22 | 56,370 | 26 | 62,942 | 6,572 | ... |
| Swedish | 6 | 14,616 | ... | ... | 14 | 41,476 | 14 | 44,692 | 20 | 62,820 | 18,128 | ... |
| Total | 10,685 | 10,773,847 | 9,519 | 9,408,446 | 11,245 | 14,088,775 | 11,536 | 17,100,811 | 11,384 | 17,933,356 | 1,183,867 | 351,322 |

APPENDIX (S) F.

Comparative Statement of Shipping (Merchant Vessels) between the Years 1920 and 1921.

| DESCRIPTION OF VESSELS. | INWARDS. | | | | | | OUTWARDS. | | | | | |
|----------------------------|----------|-----------|-------|-----------|-----------|---------|-----------|-----------|-------|-----------|-----------|---------|
| | 1920. | | 1921. | | Increase. | | 1920. | | 1921. | | Increase. | |
| | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. |
| Brigs | ... | ... | 1 | 296 | 1 | 296 | ... | ... | 1 | 296 | ... | ... |
| Barques | ... | ... | 1 | 519 | 1 | 519 | ... | ... | 1 | 519 | ... | ... |
| Ships | 2 | 306 | 4 | 2,028 | 2 | 1,722 | 2 | 306 | 4 | 2,028 | 2 | 1,722 |
| Schooners | 2 | 2,879 | 1 | 861 | ... | ... | 2 | 2,879 | 1 | 861 | ... | 2,018 |
| Steamers | 5,760 | 8,535,668 | 5,678 | 8,957,843 | ... | 422,175 | 5,768 | 8,558,773 | 5,692 | 8,968,105 | ... | 409,332 |
| Total ... | 5,764 | 8,538,853 | 5,685 | 8,961,547 | ... | 422,694 | 5,772 | 8,561,958 | 5,699 | 8,971,809 | ... | 409,851 |
| | | | | | | | | | | | 73 | ... |

APPENDIX (S) G.

Comparative Statement showing Arrivals and Departures of Local and Foreign-trade Merchant Vessels for the Years 1920 and 1921.

ARRIVALS.

| | 1920. | | 1921. | | Increase. | | Decrease. | |
|---------------------------|-------|-----------|-------|-----------|-----------|---------|-----------|-------|
| | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. |
| Local-trade Vessels ... | 2,722 | 1,120,664 | 2,643 | 1,327,182 | ... | 206,518 | 79 | ... |
| Foreign-trade Vessels ... | 3,042 | 7,418,189 | 3,042 | 7,634,365 | ... | 216,176 | ... | ... |
| Total ... | 5,764 | 8,538,853 | 5,685 | 8,961,547 | ... | 422,694 | 79 | ... |

DEPARTURES.

| | 1920. | | 1921. | | Increase. | | Decrease. | |
|---------------------------|-------|-----------|-------|-----------|-----------|---------|-----------|-------|
| | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. |
| Local-trade Vessels ... | 2,661 | 1,077,871 | 2,677 | 1,353,586 | 16 | 275,715 | ... | ... |
| Foreign-trade Vessels ... | 3,111 | 7,484,087 | 3,02 | 7,618,223 | ... | 134,136 | 89 | ... |
| Total ... | 5,772 | 8,561,958 | 5,699 | 8,971,809 | ... | 409,851 | 73 | ... |

APPENDIX (S) H.

Statement showing the Arrivals of Merchant Vessels for the Year 1921.

| COUNTRIES FROM WHICH ARRIVED. | BRITISH. | | FOREIGN. | | TOTAL. | |
|----------------------------------|----------|-----------|----------|-----------|--------|-----------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| United Kingdom ... | 174 | 737,830 | 50 | 194,047 | 224 | 931,877 |
| BRITISH POSSESSIONS. | | | | | | |
| Australia ... | 53 | 118,139 | 24 | 62,180 | 77 | 180,319 |
| Canada ... | 1 | 4,125 | ... | ... | 1 | 4,125 |
| Bombay ... | 37 | 117,362 | 82 | 217,438 | 119 | 334,800 |
| Burmah ... | 23 | 67,065 | 12 | 24,617 | 35 | 91,682 |
| Calcutta ... | 128 | 337,733 | 68 | 188,093 | 196 | 525,826 |
| Ceylon ... | 8 | 25,886 | 13 | 27,000 | 21 | 52,886 |
| Hongkong ... | 92 | 218,321 | 77 | 157,776 | 169 | 376,097 |
| Madras ... | 54 | 182,760 | 4 | 6,347 | 58 | 189,107 |
| Mauritius ... | 7 | 8,317 | ... | ... | 7 | 8,317 |
| New Zealand ... | 1 | 1,201 | ... | ... | 1 | 1,201 |
| Perim ... | 2 | 6,627 | 2 | 2,114 | 4 | 8,741 |
| South Africa ... | 1 | 2,774 | 5 | 11,718 | 6 | 14,492 |
| BETWEEN THE SETTLEMENTS. | | | | | | |
| Christmas Island ... | 13 | 7,801 | ... | ... | 13 | 7,801 |
| Labuan ... | 23 | 14,134 | ... | ... | 23 | 14,134 |
| Malacca ... | 437 | 80,714 | ... | ... | 437 | 80,714 |
| Penang ... | 236 | 151,259 | 30 | 42,774 | 266 | 194,033 |
| BRITISH PROTECTORATES. | | | | | | |
| Egypt ... | 5 | 17,624 | 13 | 42,186 | 18 | 59,810 |
| Mesopotamia ... | 1 | 3,058 | 4 | 13,290 | 5 | 16,348 |
| British North Borneo ... | 21 | 23,025 | ... | ... | 21 | 23,025 |
| Sarawak ... | 31 | 44,134 | 78 | 56,696 | 109 | 100,830 |
| MALAY PENINSULA. | | | | | | |
| Johore ... | 45 | 3,145 | 6 | 16,154 | 51 | 19,299 |
| Kelantan ... | 51 | 22,623 | 3 | 951 | 54 | 23,574 |
| Negri Sembilan ... | 12 | 4,040 | ... | ... | 12 | 4,040 |
| Pahang ... | 30 | 9,110 | 22 | 7,798 | 52 | 16,908 |
| Perak ... | 49 | 23,852 | ... | ... | 49 | 23,852 |
| Selangor ... | 62 | 18,867 | 5 | 1,974 | 67 | 20,841 |
| Trengganu ... | 89 | 8,797 | ... | ... | 89 | 8,797 |
| <i>Carried forward</i> ... | 1,686 | 2,260,323 | 498 | 1,073,153 | 2,184 | 3,333,476 |

APPENDIX (S) H.—Continued.

Statement showing the Arrivals of Merchant Vessels for the Year
1921.—Continued.

| COUNTRIES FROM WHICH ARRIVED. | BRITISH. | | FOREIGN. | | TOTAL. | |
|----------------------------------|----------|-----------|----------|-----------|--------|-----------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| <i>Brought forward ...</i> | 1,686 | 2,260,323 | 498 | 1,073,153 | 2,184 | 3,333,476 |
| FOREIGN COUNTRIES. | | | | | | |
| Belgium | 4 | 12,625 | 8 | 35,139 | 12 | 47,764 |
| China | 173 | 428,743 | 28 | 76,506 | 201 | 505,249 |
| Denmark | ... | ... | 18 | 75,192 | 18 | 75,192 |
| France | 2 | 4,364 | 35 | 172,065 | 37 | 176,429 |
| French Indo-China ... | 19 | 28,778 | 152 | 213,445 | 171 | 242,223 |
| French India | ... | ... | 3 | 6,308 | 3 | 6,308 |
| Madagascar | ... | ... | 1 | 1,461 | 1 | 1,461 |
| Germany | 4 | 12,271 | 34 | 136,542 | 38 | 148,813 |
| Holland | 2 | 5,603 | 57 | 246,810 | 59 | 252,413 |
| Italy | ... | ... | 17 | 60,931 | 17 | 60,931 |
| Japan | 129 | 551,756 | 289 | 942,173 | 418 | 1,493,929 |
| Philippines | 20 | 75,034 | 10 | 21,717 | 30 | 96,751 |
| Portugal | ... | ... | 1 | 3,997 | 1 | 3,997 |
| Roumania | 1 | 2,691 | ... | ... | 1 | 2,691 |
| Russia | ... | ... | 5 | 16,733 | 5 | 16,733 |
| Siam, Proper | 133 | 166,546 | 312 | 247,520 | 445 | 414,066 |
| Spain | ... | ... | 7 | 13,156 | 7 | 13,156 |
| Sweden | ... | ... | 3 | 7,917 | 3 | 7,917 |
| South America | 1 | 2,438 | 7 | 24,084 | 8 | 26,522 |
| United States, Atlantic ... | 28 | 114,194 | 36 | 136,842 | 64 | 251,036 |
| United States, Pacific ... | 9 | 38,697 | 38 | 168,567 | 47 | 207,264 |
| NETHERLANDS INDIES. | | | | | | |
| Achinese Ports | 3 | 8,478 | 9 | 18,046 | 12 | 26,524 |
| Celebes | ... | ... | 22 | 42,921 | 22 | 42,921 |
| Dutch Borneo | 28 | 84,796 | 244 | 134,469 | 272 | 219,265 |
| Java | 151 | 130,163 | 330 | 588,284 | 481 | 718,447 |
| Natunas Island | 20 | 4,301 | 39 | 19,051 | 59 | 23,352 |
| Netherlands Archipelago ... | 39 | 63,691 | 114 | 55,157 | 153 | 118,848 |
| Rhio | ... | ... | 159 | 14,911 | 159 | 14,911 |
| Sumatra | 248 | 76,291 | 509 | 336,667 | 757 | 412,958 |
| Total ... | 2,700 | 4,071,783 | 2,985 | 4,889,764 | 5,685 | 8,961,547 |

APPENDIX (S) I.

Statement showing the Departures of Merchant Vessels for the Year 1921.

| COUNTRIES TO WHICH DEPARTED. | | | BRITISH. | | FOREIGN. | | TOTAL. | |
|---------------------------------|-----|-----|----------|-----------|----------|----------|--------|-----------|
| | | | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| United Kingdom | ... | ... | 95 | 436,412 | 34 | 134,405 | 129 | 570,817 |
| BRITISH POSSESSIONS. | | | | | | | | |
| Aden | ... | ... | ... | ... | 1 | 3,495 | 1 | 3,495 |
| Australia | ... | ... | 70 | 174,926 | 15 | 46,143 | 85 | 221,069 |
| Canada | ... | ... | 1 | 3,174 | ... | ... | 1 | 3,174 |
| Bombay | ... | ... | 15 | 47,215 | 57 | 175,631 | 72 | 222,846 |
| Burma | ... | ... | 21 | 64,218 | 17 | 43,312 | 38 | 107,530 |
| Calcutta | ... | ... | 118 | 317,373 | 56 | 159,091 | 174 | 476,464 |
| Ceylon | ... | ... | 9 | 26,844 | 12 | 42,829 | 21 | 69,673 |
| Gibraltar | ... | ... | ... | ... | 1 | 3,458 | 1 | 3,458 |
| Hongkong | ... | ... | 120 | 300,346 | 74 | 165,542 | 194 | 465,888 |
| Madras | ... | ... | 55 | 192,784 | 4 | 14,053 | 59 | 206,837 |
| Mauritius | ... | ... | 8 | 9,746 | 1 | 3,085 | 9 | 12,831 |
| New Zealand... | ... | ... | 5 | 12,610 | ... | ... | 5 | 12,610 |
| South Africa | ... | ... | 5 | 12,003 | ... | ... | 5 | 12,003 |
| BETWEEN THE SETTLEMENTS. | | | | | | | | |
| Christmas Island | ... | ... | 12 | 5,772 | 1 | 2,042 | 13 | 7,814 |
| Labuan | ... | ... | 7 | 9,205 | ... | ... | 7 | 9,205 |
| Malacca | ... | ... | 440 | 81,646 | ... | ... | 440 | 81,646 |
| Penang | ... | ... | 237 | 185,357 | 32 | 49,194 | 269 | 234,551 |
| BRITISH PROTECTORATES. | | | | | | | | |
| Egypt | ... | ... | 20 | 67,323 | 11 | 42,582 | 31 | 109,905 |
| Mesopotamia | ... | ... | 1 | 3,055 | ... | ... | 1 | 3,055 |
| British North Borneo | ... | ... | 30 | 27,674 | ... | ... | 30 | 27,674 |
| Sarawak | ... | ... | 22 | 21,148 | 64 | 41,972 | 86 | 63,120 |
| MALAY PENINSULA. | | | | | | | | |
| Johore | ... | ... | 46 | 3,220 | 1 | 1,922 | 47 | 5,142 |
| Kelantan | ... | ... | 51 | 22,987 | 3 | 1,004 | 54 | 23,991 |
| Negri Sembilan | ... | ... | 36 | 12,399 | 1 | 132 | 37 | 12,531 |
| Pahang | ... | ... | 31 | 9,427 | 24 | 8,217 | 55 | 17,644 |
| Perak | ... | ... | 47 | 23,453 | ... | ... | 47 | 23,453 |
| Selangor | ... | ... | 39 | 12,677 | 3 | 4,422 | 42 | 17,099 |
| Trengganu | ... | ... | 91 | 8,974 | ... | ... | 91 | 8,974 |
| Carried forward | ... | ... | 1,632 | 2,091,968 | 412 | 942,531 | 2,044 | 3,034,499 |

APPENDIX (S) 1.—Continued.

Statement showing the Departures of Merchant Vessels for the Year
1921.—Continued.

| COUNTRIES TO WHICH DEPARTED. | BRITISH. | | FOREIGN. | | TOTAL. | |
|---------------------------------|----------|-----------|----------|-----------|--------|-----------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| <i>Brought forward ...</i> | 1,632 | 2,091,968 | 412 | 942,531 | 2,044 | 3,034,499 |
| FOREIGN COUNTRIES. | | | | | | |
| Belgium ... | 5 | 22,796 | 3 | 11,443 | 8 | 34,239 |
| China ... | 100 | 288,601 | 43 | 114,857 | 143 | 403,458 |
| Denmark ... | ... | ... | 7 | 25,638 | 7 | 25,638 |
| France ... | 10 | 35,182 | 36 | 175,675 | 46 | 210,857 |
| French Indo-China ... | 27 | 31,793 | 182 | 259,241 | 209 | 291,034 |
| Madagascar ... | 1 | 879 | 1 | 1,789 | 2 | 2,668 |
| Germany ... | 32 | 145,166 | 22 | 84,056 | 54 | 229,222 |
| Holland ... | 6 | 28,168 | 42 | 197,771 | 48 | 225,939 |
| Italy ... | 1 | 2,809 | 14 | 50,867 | 15 | 53,676 |
| Japan ... | 142 | 602,566 | 274 | 920,487 | 416 | 1,523,053 |
| Ocean Island ... | 4 | 7,663 | 1 | 2,280 | 5 | 9,943 |
| Persia ... | 1 | 2,679 | 4 | 13,410 | 5 | 16,089 |
| Philippines ... | 29 | 77,499 | 14 | 36,089 | 43 | 113,588 |
| Portugal ... | ... | ... | 2 | 5,945 | 2 | 5,945 |
| Siam, Proper... .. | 185 | 217,287 | 357 | 308,419 | 542 | 525,706 |
| Spain ... | ... | ... | 5 | 11,663 | 5 | 11,663 |
| Sweden ... | ... | ... | 2 | 6,538 | 2 | 6,538 |
| South America ... | 1 | 3,335 | 16 | 58,256 | 17 | 61,591 |
| United States, Atlantic ... | 43 | 176,817 | 42 | 168,373 | 85 | 345,190 |
| United States, Pacific ... | 4 | 15,979 | 24 | 136,040 | 28 | 152,019 |
| NETHERLANDS INDIES:— | | | | | | |
| Achinese Ports ... | 1 | 2,311 | 14 | 17,766 | 15 | 20,077 |
| Celebes ... | 1 | 4,800 | 9 | 16,955 | 10 | 21,755 |
| Dutch Borneo ... | 23 | 63,189 | 237 | 129,968 | 260 | 193,157 |
| Java ... | 147 | 108,598 | 342 | 718,082 | 489 | 826,680 |
| Natunas Island ... | 22 | 6,903 | 28 | 13,143 | 50 | 20,046 |
| Netherlands Archipelago... .. | 40 | 70,559 | 132 | 79,044 | 172 | 149,603 |
| Rhio ... | ... | ... | 165 | 15,884 | 165 | 15,884 |
| Sumatra ... | 252 | 73,698 | 560 | 368,354 | 812 | 442,052 |
| Total ... | 2,709 | 4,081,245 | 2,990 | 4,890,564 | 5,699 | 8,971,809 |

APPENDIX (S) J.

Number and Tonnage of Native Craft and Steam Vessels under 50 Tons entered and cleared at the Port of Singapore from and for each Country in the Year 1921.

| COUNTRIES FROM WHICH ARRIVED AND TO WHICH DEPARTED. | ARRIVALS. | | | DEPARTURES. | | | | |
|---|-----------|----------|--------|-------------|----------|---------|--------|---------|
| | British. | | Total. | British. | | Total. | | |
| | No. | Tonnage. | | No. | Tonnage. | | | |
| Achinese Ports | ... | ... | 2 | 60 | 1 | 25 | 2 | 50 |
| British North Borneo | ... | ... | ... | ... | ... | ... | 1 | 40 |
| China | ... | ... | 70 | 2,822 | ... | ... | 77 | 2,995 |
| Dutch Borneo | 1 | 65 | 17 | 446 | ... | 58 | 16 | 383 |
| French Indo-China | ... | ... | 106 | 4,299 | ... | ... | 92 | 3,377 |
| Hongkong | ... | ... | 2 | 72 | ... | ... | 1 | 36 |
| Java | ... | ... | 7 | 200 | ... | ... | 5 | 230 |
| Johore | 2,756 | 89,329 | 1,460 | 40,533 | 2,705 | 86,706 | 1,440 | 39,134 |
| Kelantan | 10 | 837 | 4 | 79 | 6 | 536 | 5 | 138 |
| Malacca | 277 | 15,547 | 9 | 468 | 346 | 18,446 | 14 | 613 |
| Natunas Island | ... | ... | 5 | 160 | ... | ... | 10 | 411 |
| Nicobar Island | ... | ... | 2 | 50 | ... | ... | 5 | 112 |
| Netherlands Archipelago | 4,345 | 157,133 | 1,356 | 46,186 | 4,158 | 151,399 | 1,515 | 48,442 |
| Patani | 1 | 96 | 1 | 25 | 3 | 267 | 3 | 201 |
| Pahang | 73 | 9,537 | 166 | 11,713 | 68 | 8,532 | 174 | 12,088 |
| Penang | 21 | 2,185 | 10 | 482 | 18 | 1,828 | 5 | 435 |
| Perak | 12 | 884 | 1 | 18 | 15 | 1,141 | 2 | 53 |
| Rhio | 9 | 419 | 168 | 5,861 | 7 | 296 | 197 | 6,763 |
| Sarawak | 3 | 110 | ... | ... | 3 | 108 | 2 | 190 |
| Selangor | 108 | 7,177 | 26 | 1,171 | 108 | 7,348 | 21 | 730 |
| Siam Proper | 11 | 1,326 | 58 | 3,017 | 2 | 176 | 55 | 2,651 |
| Singora | 2 | 174 | 2 | 273 | 2 | 280 | 6 | 383 |
| Sumatra | 2,012 | 204,246 | 2,317 | 197,564 | 1,967 | 202,217 | 2,384 | 212,650 |
| Sungei Ujong | 61 | 4,338 | 17 | 742 | 67 | 4,860 | 24 | 786 |
| Trengganu | 56 | 2,502 | 25 | 1,372 | 56 | 2,332 | 36 | 1,695 |
| Total | 9,758 | 495,905 | 5,831 | 317,613 | 9,533 | 486,555 | 6,091 | 334,561 |
| | | | 15,589 | 813,518 | | | 15,624 | 821,116 |

APPENDIX (S) K.

Continued. Statement of Native Craft and Steam Vessels under 50 Tons. Net Register for the Years 1920 and 1921.

| INWARDS. | | | | | | OUTWARDS. | | | | | | | | | |
|----------|---------|--------|---------|-----------|-------|-----------|--------|--------|---------|--------|---------|-----------|-------|-----------|--------|
| 1920. | | 1921. | | Increase. | | Decrease. | | 1920. | | 1921. | | Increase. | | Decrease. | |
| No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. | No. | Tons. |
| 17,167 | 882,238 | 15,589 | 813,518 | ... | ... | 1,578 | 68,720 | 17,162 | 881,199 | 15,624 | 821,116 | ... | ... | 1,538 | 60,083 |

APPENDIX (S) L.

*Tonnage of Vessels, entered and cleared at Victoria Harbour, Labuan
during the Five Years 1917 to 1921.*

| | | | | MERCHANT VESSELS. | | | | |
|--------------|-----|-----|-----|-------------------|---------|---------|---------|---------|
| NATIONALITY. | | | | 1917. | 1918. | 1919. | 1920. | 1921 |
| | | | | Tons. | Tons. | Tons. | Tons. | Tons |
| American | ... | ... | ... | ... | 1,904 | 7,776 | 1,904 | ... |
| British | ... | ... | ... | 108,340 | 64,750 | 110,682 | 110,132 | 150,879 |
| Dutch | ... | ... | ... | 6,024 | 938 | 624 | 4,686 | 1,150 |
| Japanese | ... | ... | ... | 8,630 | 36,282 | 7,954 | 5,676 | 252 |
| Russian | ... | ... | ... | 26,960 | ... | ... | ... | ... |
| Sarawak | ... | ... | ... | 26,760 | 46,384 | 14,650 | 346 | 1,155 |
| Siamese | ... | ... | ... | ... | ... | ... | 12,128 | .. |
| Total | | | | 176,714 | 150,258 | 141,686 | 134,872 | 153,436 |

APPENDIX (S) M.

*Tonnage of Vessels entered and cleared at Flying Fish Cove, Christmas Island,
during the Five Years 1917 to 1921.*

| NATIONALITY. | MERCHANT VESSELS. | | | | |
|-----------------|-------------------|--------|--------|--------|--------|
| | 1917. | 1918. | 1919. | 1920. | 1921. |
| | Tons. | Tons. | Tons. | Tons. | Tons. |
| British | 29,952 | 34,398 | 31,420 | 33,136 | 35,490 |
| Japanese | 82,258 | 37,528 | 49,776 | 57,014 | 47,554 |
| Swedish | ... | ... | ... | ... | 8,582 |
| Total ... | 112,210 | 71,926 | 81,196 | 90,150 | 91,626 |

Penang.
APPENDIX (P) A.
Revenue.

| No. | Heads of Revenue. | 1920. | 1921. | Increase. | Decrease. |
|-----|--|------------|-----------|-----------|-----------|
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| | <i>Licences, Excise and Internal Revenue not otherwise classified.</i> | | | | |
| 1 | Fines and Forfeitures—Marine Court | 777 71 | 1,379 66 | 601 95 | ... |
| 2 | Registration of Boats | 4,194 60* | 4,104 50 | ... | 90 10 |
| 3 | Certificates of Competency | 58 00 | 50 00 | ... | 8 00 |
| 4 | Fisheries Ordinance IX of 1909 | 11,499 25† | 11,746 25 | 247 00 | ... |
| 5 | Registration of Junks and Tongkangs | 3,324 00 | 3,093 50 | ... | 230 50 |
| 6 | Registration of shipping | 76 00 | 37 00 | ... | 39 00 |
| | <i>Fees of Court or Office, Payments for Specific Services and Reimbursements in aid</i> | | | | |
| 7 | Certificates of Origin, Landing and Shipping Goods | 225 00 | 171 00 | ... | 54 00 |
| 8 | Fees—Marine Court | 7 00 | 5 20 | ... | 1 80 |
| 9 | Shipping Seamen | 1,729 97 | 1,617 07 | ... | 112 90 |
| 10 | Sale of Tide Tables | 224 00 | 303 75 | 79 75 | ... |
| | <i>Miscellaneous Receipts</i> | | | | |
| 11 | Sale of Stores | 355 17 | 127 39 | ... | 227 78 |
| 12 | Miscellaneous | 164 70 | 88 10 | ... | 76 60 |
| | Total | 22,635 40 | 22,723 42 | 928 70 | 840 68 |

* Out of this amount \$800.50 was collected by D.O., B.P., S.D.O., Butterworth, and D.O., N.T. † Out of this amount \$576.00 was collected by D.O., B.P.

APPENDIX (P) B.

The Total Net Tonnage of Shipping entered and cleared at the Port of Penang during 1921 was as follows:—

| | ENTERED. | | CLEARED. | | TOTAL. | |
|----------------------|----------|-----------|----------|-----------|--------|-----------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| PENANG. | | | | | | |
| Merchant Vessels ... | 1,821 | 3,184,634 | 1,820 | 3,182,498 | 3,641 | 6,367,132 |
| Native Craft ... | 6,512 | 286,182 | 4,758 | 244,845 | 11,270 | 531,027 |
| Warships, etc. ... | 15 | 61,833 | 15 | 61,833 | 30 | 123,666 |
| Total ... | 8,348 | 3,532,649 | 6,593 | 3,489,176 | 14,941 | 7,021,825 |

APPENDIX (P) C.

The Nationality, Number and Tonnage of Merchant Vessels, entered and cleared during 1921.

| NATIONALITY. | | ENTERED. | | CLEARED. | | TOTAL. | |
|---------------|-----|----------|-----------|----------|-----------|--------|-----------|
| | | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| American ... | ... | 53 | 102,523 | 53 | 102,523 | 106 | 205,046 |
| British ... | ... | 1,408 | 2,385,651 | 1,407 | 2,383,993 | 2,815 | 4,769,644 |
| Chinese ... | ... | 2 | 3,760 | 2 | 3,760 | 4 | 7,520 |
| Danish ... | ... | 14 | 48,210 | 14 | 48,210 | 28 | 96,420 |
| Dutch ... | ... | 236 | 271,218 | 236 | 270,740 | 472 | 541,958 |
| French ... | ... | 12 | 62,126 | 12 | 62,126 | 24 | 124,252 |
| Japanese ... | ... | 69 | 253,840 | 69 | 253,840 | 138 | 507,680 |
| Italian ... | ... | 13 | 46,971 | 13 | 46,971 | 26 | 93,942 |
| Norwegian ... | ... | 11 | 8,431 | 11 | 8,431 | 22 | 16,862 |
| Siamese ... | ... | 3 | 1,904 | 3 | 1,904 | 6 | 3,808 |
| Total ... | ... | 1,821 | 3,184,634 | 1,820 | 3,182,498 | 3,641 | 6,367,132 |

APPENDIX (P) D.

The Nationality, Number and Tonnage of Warships, etc., entered and cleared during 1921.

| NATIONALITY. | | ENTERED. | | CLEARED. | | TOTAL. | |
|----------------------------|-----|----------|----------|----------|----------|--------|----------|
| | | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| British ... | ... | 7 | 55,927 | 7 | 55,927 | 14 | 111,854 |
| Federated Malay States ... | ... | 5 | 2,000 | 5 | 2,000 | 10 | 4,000 |
| Japanese ... | ... | 1 | 3,400 | 1 | 3,400 | 2 | 6,800 |
| Siamese ... | ... | 2 | 506 | 2 | 506 | 4 | 1,012 |
| Total ... | ... | 15 | 61,833 | 15 | 61,833 | 30 | 123,666 |

APPENDIX (P) E

Tonnage of British and Foreign Merchant Vessels, entered and cleared at Penang, during the Five Years 1917 to 1921.

| Nationality. | 1917. | | 1918. | | 1919. | | 1920. | | 1921. | | Increase in 1921 as compared with 1920. | Decrease in 1921 as compared with 1920. |
|----------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|---|---|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | Net tonnage. | Net tonnage. |
| American ... | 4 | 5,728 | 34 | 35,878 | 10 | 42,574 | 162 | 350,058 | 106 | 205,046 | ... | 145,012 |
| British ... | 2,611 | 2,597,942 | 1,924 | 1,666,558 | 2,485 | 2,954,575 | 2,984 | 4,601,655 | 2,815 | 4,769,644 | 167,989 | ... |
| Belgian ... | ... | ... | ... | ... | 5 | 6,810 | 1 | 1,384 | ... | ... | ... | 1,384 |
| Chinese ... | 60 | 58,392 | 138 | 147,294 | 10 | 12,108 | 2 | 3,286 | 4 | 7,520 | 4,234 | ... |
| Danish ... | 12 | 34,810 | 6 | 18,050 | 18 | 62,936 | 30 | 104,788 | 28 | 96,420 | ... | 8,368 |
| Dutch ... | 673 | 512,189 | 471 | 420,590 | 404 | 339,962 | 428 | 432,118 | 472 | 541,958 | 109,840 | ... |
| French ... | 20 | 7,520 | 12 | 4,892 | 30 | 16,162 | 22 | 28,694 | 24 | 124,252 | 95,558 | ... |
| Japanese ... | 250 | 634,180 | 296 | 574,394 | 233 | 517,635 | 148 | 455,762 | 138 | 507,680 | 51,918 | ... |
| Italian ... | ... | ... | ... | ... | ... | ... | 40 | 147,302 | 26 | 93,942 | ... | 53,360 |
| Norwegian ... | 92 | 78,527 | 87 | 72,246 | 26 | 20,156 | 26 | 20,340 | 22 | 16,862 | ... | 3,478 |
| Portuguese ... | 2 | 2,290 | 2 | 2,290 | ... | ... | ... | ... | ... | ... | ... | ... |
| Russian ... | 12 | 15,074 | 24 | 6,744 | 4 | 4,170 | ... | ... | ... | ... | ... | ... |
| Swedish ... | 2 | 5,026 | ... | ... | 2 | 6,524 | ... | ... | ... | ... | ... | ... |
| Spanish ... | 4 | 9,738 | 4 | 11,176 | 2 | 3,742 | ... | ... | ... | ... | ... | ... |
| Sarawak ... | 2 | 188 | ... | ... | ... | ... | 2 | 258 | ... | ... | ... | 258 |
| Siamese ... | ... | ... | ... | ... | 24 | 21,682 | 7 | 4,190 | 6 | 3,808 | ... | 382 |
| Total ... | 3,744 | 3,961,604 | 2,998 | 2,960,112 | 3,253 | 4,009,126 | 3,852 | 6,149,835 | 3,641 | 6,367,132 | 429,539 | 212,242 |

APPENDIX (P) G.

Comparative Statement showing the Arrivals and Departures of Local and Foreign-going Merchant Vessels for the Years 1920 and 1921.

| | ARRIVALS. | | | | | | DEPARTURES. | | | | | | | | | |
|-----------------------|-----------|-----------|-------|-----------|-----------|----------|-------------|----------|-------|-----------|-------|-----------|-----------|----------|-----------|----------|
| | 1920. | | 1921. | | INCREASE. | | DECREASE. | | 1920. | | 1921. | | INCREASE. | | DECREASE. | |
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| Local-trade Vessels | 946 | 261,490 | 856 | 236,983 | ... | ... | 90 | 24,507 | 949 | 262,075 | 855 | 237,062 | ... | ... | 94 | 25,013 |
| Foreign-trade Vessels | 977 | 2,806,663 | 965 | 2,947,651 | ... | 140,988 | 12 | ... | 980 | 2,819,607 | 965 | 2,945,436 | ... | 125,829 | 15 | ... |
| Total | 1,923 | 3,068,153 | 1,821 | 3,184,634 | ... | 140,988 | 102 | 24,507 | 1,929 | 3,081,682 | 1,820 | 3,182,498 | ... | 125,829 | 109 | 25,013 |

APPENDIX (P) H.

Statement showing the Arrivals of Merchant Vessels for the Year 1921.

| COUNTRIES FROM WHICH ARRIVED. | BRITISH. | | FOREIGN. | | TOTAL. | |
|---|----------|-----------|----------|----------|--------|-----------|
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| United Kingdom <i>via</i> Suez ... | 112 | 502,095 | 2 | 6,829 | 114 | 508,924 |
| United Kingdom <i>via</i> Cape Town ... | 1 | 3,134 | ... | ... | 1 | 3,134 |
| BRITISH POSSESSIONS. | | | | | | |
| Australia ... | 1 | 1,922 | ... | ... | 1 | 1,922 |
| Bombay and Malabar Ports ... | 3 | 10,061 | 11 | 8,431 | 14 | 18,492 |
| Burma Ports ... | 64 | 86,868 | 4 | 7,620 | 68 | 94,488 |
| Calcutta ... | 102 | 258,806 | 17 | 26,937 | 119 | 285,743 |
| Hongkong ... | 33 | 72,338 | 27 | 44,809 | 60 | 117,147 |
| Madras and Coromandel Coast ... | 52 | 178,798 | 1 | 1,654 | 53 | 180,452 |
| FOREIGN COUNTRIES. | | | | | | |
| Austria <i>via</i> Suez ... | ... | ... | 12 | 42,323 | 12 | 42,323 |
| Belgium <i>via</i> Suez ... | 2 | 8,112 | ... | ... | 2 | 8,112 |
| China ... | 75 | 251,179 | 6 | 19,265 | 81 | 270,444 |
| Denmark <i>via</i> Suez ... | ... | ... | 9 | 34,908 | 9 | 34,908 |
| Egypt ... | ... | ... | 1 | 2,767 | 1 | 2,767 |
| French Indo-China ... | 1 | 1,406 | ... | ... | 1 | 1,406 |
| France <i>via</i> Suez ... | 1 | 1,746 | 7 | 38,126 | 8 | 39,872 |
| Germany <i>via</i> Suez ... | ... | ... | 3 | 12,273 | 3 | 12,273 |
| Holland <i>via</i> Suez ... | ... | ... | 17 | 66,273 | 17 | 66,273 |
| Japan ... | 96 | 405,117 | 72 | 272,892 | 168 | 678,009 |
| Russian Siberia ... | 7 | 33,785 | ... | ... | 7 | 33,785 |
| Siam, Proper ... | 3 | 7,522 | 4 | 5,776 | 7 | 13,298 |
| Siam, West Coast ... | 92 | 22,914 | 1 | 283 | 93 | 23,197 |
| Philippines ... | 2 | 8,753 | ... | ... | 2 | 8,753 |
| United States, Atlantic <i>via</i> Suez ... | 3 | 11,889 | 1 | 3,711 | 4 | 15,600 |
| United States, Atlantic <i>via</i> Panama ... | ... | ... | 1 | 4,800 | 1 | 4,800 |
| United States, Pacific ... | ... | ... | 2 | 11,390 | 2 | 11,390 |
| MALAY PENINSULA. | | | | | | |
| Perak ... | 266 | 52,575 | ... | ... | 266 | 52,575 |
| Selangor ... | 27 | 2,496 | ... | ... | 27 | 2,496 |
| NETHERLANDS INDIA. | | | | | | |
| Java ... | 2 | 5,018 | 87 | 129,963 | 89 | 134,981 |
| Sumatra ... | 149 | 22,842 | 116 | 39,698 | 265 | 62,540 |
| BETWEEN THE SETTLEMENTS. | | | | | | |
| Singapore ... | 314 | 436,275 | 12 | 18,255 | 326 | 54,530 |
| Total ... | 1,408 | 2,385,651 | 413 | 798,983 | 1,821 | 3,184,634 |

APPENDIX (P) I.

Statement showing the Departures of Merchant Vessels for the Year 1921.

| COUNTRIES TO WHICH DEPARTED. | | | | BRITISH. | | FOREIGN. | | TOTAL. | |
|---|-----|-----|-----|----------|-----------|----------|----------|--------|-----------|
| | | | | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| United Kingdom <i>via</i> Suez | ... | ... | ... | 24. | 115,735 | ... | ... | 24 | 115,735 |
| BRITISH POSSESSIONS. | | | | | | | | | |
| Australia | ... | ... | ... | 1 | 3,307 | 2 | 6,781 | 3 | 10,088 |
| Bombay and Malabar Ports | ... | ... | ... | ... | ... | 14 | 45,978 | 14 | 45,978 |
| Burma Ports | ... | ... | ... | 53 | 60,175 | 2 | 3,288 | 55 | 63,463 |
| Calcutta | ... | ... | ... | 109 | 275,118 | 44 | 117,014 | 153 | 392,132 |
| Hongkong | ... | ... | ... | 5 | 11,992 | 14 | 28,434 | 19 | 40,426 |
| Madras and Coromandel Coast | ... | ... | ... | 27 | 92,397 | ... | ... | 27 | 92,397 |
| Ocean Island | ... | ... | ... | 2 | 3,844 | ... | ... | 2 | 3,844 |
| FOREIGN COUNTRIES. | | | | | | | | | |
| Austria <i>via</i> Suez | ... | ... | ... | ... | ... | 1 | 4,648 | 1 | 4,648 |
| Belgium <i>via</i> Suez | ... | ... | ... | 38 | 184,702 | 27 | 117,223 | 65 | 301,925 |
| China | ... | ... | ... | 57 | 131,290 | 27 | 64,214 | 84 | 195,504 |
| Denmark <i>via</i> Suez | ... | ... | ... | 1 | 4,391 | 3 | 11,970 | 4 | 16,361 |
| France <i>via</i> Suez | ... | ... | ... | ... | ... | 4 | 21,455 | 4 | 21,455 |
| French India | ... | ... | ... | 25 | 86,401 | ... | ... | 25 | 86,401 |
| French Indo-China | ... | ... | ... | ... | ... | 1 | 992 | 1 | 992 |
| Germany <i>via</i> Suez | ... | ... | ... | 38 | 164,798 | ... | ... | 38 | 164,798 |
| Holland <i>via</i> Suez | ... | ... | ... | 4 | 20,224 | ... | ... | 4 | 20,224 |
| Japan | ... | ... | ... | 154 | 617,426 | 16 | 77,868 | 170 | 695,294 |
| Philippines | ... | ... | ... | 4 | 15,615 | ... | ... | 4 | 15,615 |
| Siam, Proper | ... | ... | ... | 1 | 1,406 | 4 | 7,544 | 5 | 8,950 |
| Siam, West Coast | ... | ... | ... | 92 | 23,216 | ... | ... | 92 | 23,216 |
| United States, Atlantic <i>via</i> Suez | ... | ... | ... | 20 | 82,117 | 1 | 4,950 | 21 | 87,067 |
| United States, Pacific | ... | ... | ... | ... | ... | 1 | 3,711 | 1 | 3,711 |
| MALAY PENINSULA. | | | | | | | | | |
| Perak | ... | ... | ... | 265 | 52,317 | ... | ... | 265 | 52,317 |
| Selangor | ... | ... | ... | 27 | 2,475 | ... | ... | 27 | 2,475 |
| NETHERLANDS INDIA. | | | | | | | | | |
| Dutch Borneo | ... | ... | ... | ... | ... | 1 | 578 | 1 | 578 |
| Java | ... | ... | ... | ... | ... | 80 | 165,072 | 80 | 165,072 |
| Sumatra | ... | ... | ... | 150 | 23,120 | 142 | 75,565 | 292 | 98,685 |
| BETWEEN THE SETTLEMENTS. | | | | | | | | | |
| Singapore | ... | ... | ... | 310 | 411,927 | 29 | 41,220 | 339 | 453,147 |
| Total | ... | ... | ... | 1,407 | 2,383,993 | 413 | 798,505 | 1,820 | 3,182,498 |

APPENDIX (P) J.

Number and Tonnage of Native Craft and Steam Vessels under 50 Tons, entered and cleared at the Port of Penang, from and to each Country in the Year 1921.

| COUNTRIES FROM WHICH ARRIVED AND TO WHICH DEPARTED. | ARRIVALS. | | | | DEPARTURES. | | | |
|--|-----------|----------|----------|----------|-------------|----------|----------|----------|
| | BRITISH. | | FOREIGN. | | BRITISH. | | FOREIGN. | |
| | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. | No. | Tonnage. |
| Achinese Ports | 24 | 1,263 | ... | ... | 34 | 2,070 | ... | 2,070 |
| Burma Ports ... | 14 | 930 | ... | ... | 27 | 1,774 | ... | 1,774 |
| China | ... | ... | 2 | 81 | ... | ... | ... | ... |
| Johore | 2 | 192 | ... | ... | 3 | 288 | ... | 288 |
| Kedah | 1,892 | 106,219 | 591 | 19,904 | 1,362 | 78,990 | ... | ... |
| Perak | 2,072 | 71,764 | 550 | 12,219 | 1,424 | 56,950 | 1,690 | 92,112 |
| Selangor | 121 | 2,748 | ... | ... | 100 | 1,814 | 1,774 | 71,249 |
| Siam, West Coast | 399 | 21,563 | 396 | 26,211 | 299 | 17,171 | 100 | 1,814 |
| Sumatra, East Coast | 97 | 6,677 | 103 | 5,514 | 99 | 7,009 | 670 | 46,998 |
| | | | | | | | 204 | 15,743 |
| BETWEEN THE SETTLEMENTS. | | | | | | | | |
| Dindings | 183 | 6,929 | 49 | 2,304 | 191 | 8,701 | 243 | 1,430 |
| Singapore | 17 | 1,664 | ... | ... | 13 | 1,367 | 13 | 1,367 |
| Total | 4,821 | 219,949 | 1,691 | 66,233 | 3,552 | 176,134 | 1,206 | 244,845 |

APPENDIX (P) K.

Comparative Statement of Native Craft and Steam Vessels under 50 Tons for the Years 1920 and 1921.

| INWARDS. | | | | | | OUTWARDS. | | | | | |
|----------|---------|--|-------|---------|--|-----------|------|--|-----------|---------|--|
| 1920. | | | 1921. | | | Increase. | | | Decrease. | | |
| No. | Ton. | | No. | Ton. | | No. | Ton. | | No. | Ton. | |
| 9,789 | 313,920 | | 6,512 | 286,182 | | ... | ... | | 3,277 | 27,738 | |
| | | | | | | | | | 8,653 | 336,201 | |
| | | | | | | | | | 4,758 | 244,845 | |
| | | | | | | | | | ... | ... | |
| | | | | | | | | | 3,895 | 91,356 | |

Malacca.

APPENDIX (M) A.

Comparative Statement of Revenue collected in the Years 1920 and 1921.

| No. | Heads of Revenue. | 1920. | 1921. | Increase. | Decrease. |
|-----|--|----------|----------|-----------|-----------|
| | CLASS I. | | | | |
| 2 | <i>Licences, Excise and Internal Revenue not otherwise Classified.</i> | | | | |
| | Fines and Forfeitures:— | | | | |
| | Fines (Marine Court) | 695 00 | 422 50 | ... | 272 50 |
| | Licences:— | | | | |
| | Cargo-boats, Registration of | 623 15 | 545 15 | ... | 78 00 |
| | Passenger-boats | 32 00 | 29 00 | ... | 3 00 |
| | Fishing-boats | 403 50 | 414 50 | 11 00 | ... |
| | Fishing-stakes | 969 00 | 931 00 | ... | 38 00 |
| | Fishing-nets | 578 00 | 613 00 | 35 00 | ... |
| | Junks and Tongkangs, Registration of | 353 00 | 316 00 | ... | 37 00 |
| | CLASS II. | | | | |
| | <i>Fees of Court, etc.</i> | | | | |
| 3 | Fees (Marine Court) | 23 00 | 16 00 | ... | 7 00 |
| | CLASS V. | | | | |
| | <i>Miscellaneous Receipts.</i> | | | | |
| 7 | Sale of Stores | 36 04 | 2 00 | ... | 34 04 |
| | Miscellaneous | 463 84 | ... | ... | 463 84 |
| | <i>Expenditure Credits.</i> | | | | |
| | Hire of Government Launch—To credit of vote "Steam Launches, Fuel and Water" | 940 03 | 532 76 | ... | 407 27 |
| | Total | 5,116 56 | 3,821 91 | 46 00 | 1,340 65 |

APPENDIX (M) B.

Number, Tonnage and Crew of Merchant Vessels above 50 Tons Net Register arrived at the Port of Malacca, in the Colony of the Straits Settlements, from each Country, in the Year 1921.

| COUNTRIES FROM WHICH ARRIVED. | BRITISH. | | | | | | FOREIGN. | | | | | | TOTAL. | | | | | | | | | |
|-------------------------------------|-------------|------------|--------|-------------|------------|--------|----------|------------|-------|-------------|------------|--------|-------------|------------|---------|----------|------------|-------|-----|-----|---------|--------|
| | WITH CARGO. | | | IN BALLAST. | | | TOTAL. | | | WITH CARGO. | | | IN BALLAST. | | | TOTAL. | | | | | | |
| | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| China | 1 | 3,634 | 49 | 1 | 3,634 | 49 | ... | ... | ... | ... | ... | ... | 1 | 3,634 | 49 | ... | ... | ... | ... | 1 | 3,634 | 49 |
| Japan | 1 | 3,790 | 59 | 1 | 3,790 | 59 | ... | ... | ... | 1,773 | 13 | 62,335 | 1,773 | 14 | 66,125 | 1,832 | ... | ... | ... | 14 | 66,125 | 1,832 |
| Johore | 3 | 399 | 152 | 3 | 399 | 152 | ... | ... | ... | ... | ... | ... | 3 | 399 | 152 | ... | ... | ... | ... | 3 | 399 | 152 |
| Penang | 49 | 24,655 | 3,995 | 49 | 24,655 | 3,995 | ... | ... | ... | ... | ... | ... | 49 | 24,655 | 3,995 | ... | ... | ... | ... | 49 | 24,655 | 3,995 |
| Selangor | 52 | 17,992 | 2,912 | 52 | 17,992 | 2,912 | ... | ... | ... | ... | ... | ... | 52 | 17,992 | 2,912 | ... | ... | ... | ... | 52 | 17,992 | 2,912 |
| Singapore | 503 | 138,204 | 29,311 | 503 | 138,204 | 29,311 | ... | ... | ... | 33 | 2 | 282 | 33 | 505 | 138,486 | 29,344 | ... | ... | ... | 505 | 138,486 | 29,344 |
| United States of America | 1 | 3,833 | 56 | 1 | 3,833 | 56 | ... | ... | ... | ... | ... | ... | 1 | 3,833 | 56 | ... | ... | ... | ... | 1 | 3,833 | 56 |
| Total | 610 | 192,507 | 36,534 | 610 | 192,507 | 36,534 | ... | ... | ... | 1,806 | 15 | 62,617 | 1,806 | 625 | 255,124 | 38,340 | ... | ... | ... | 625 | 255,124 | 38,340 |

APPENDIX (M) C.

Number, Tonnage and Crew of Merchant Vessels above 50 Tons Net Register cleared from the Port of Malacca, in the Colony of the Straits Settlements, for each Country, in the Year 1921.

| COUNTRIES TO WHICH DEPARTED. | BRITISH. | | | | | | FOREIGN. | | | | | | TOTAL. | | | | | |
|------------------------------|---------------|------------|--------|-------------|------------|-------|---------------|------------|--------|-------------|------------|-------|---------------|------------|--------|-------------|------------|-------|
| | WITH CARGOES. | | | IN BALLAST. | | | WITH CARGOES. | | | IN BALLAST. | | | WITH CARGOES. | | | IN BALLAST. | | |
| | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. |
| Johore ... | 3 | 399 | 152 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 399 | 152 | ... | ... | ... |
| N. Sembilan ... | 2 | 580 | 101 | ... | ... | ... | 2 | 282 | 33 | ... | ... | 33 | 4 | 862 | 134 | ... | ... | ... |
| Penang ... | 52 | 37,277 | 5,024 | ... | ... | ... | 52 | 37,277 | 5,024 | ... | ... | ... | 52 | 37,277 | 5,024 | ... | ... | ... |
| Selangor ... | 5 | 1,473 | 264 | ... | ... | ... | 5 | 1,473 | 264 | ... | ... | ... | 5 | 1,473 | 264 | ... | ... | ... |
| Singapore ... | 545 | 141,521 | 30,829 | ... | ... | ... | 545 | 141,521 | 30,829 | ... | ... | ... | 545 | 141,521 | 30,829 | ... | ... | ... |
| United States of America | 3 | 11,257 | 164 | ... | ... | ... | 3 | 11,257 | 164 | ... | ... | ... | 4 | 15,602 | 244 | ... | ... | ... |
| U'ted Kingdom | ... | ... | ... | ... | ... | ... | 12 | 57,990 | 1,693 | ... | ... | ... | 12 | 57,990 | 1,693 | ... | ... | ... |
| Total ... | 610 | 192,507 | 36,534 | ... | ... | ... | 15 | 62,617 | 1,806 | ... | ... | ... | 625 | 255,124 | 38,340 | ... | ... | ... |

APPENDIX (M) D.

*Number, Tonnage and Crew of Men-of-War, Transports, Yachts and Colonial
Steamers, entered and cleared at the Port of Malacca, from
1st January to 31st December, 1921.*

| NATIONALITY OF VESSELS. | | | | ENTERED. | | | CLEARED. | | |
|-------------------------|-----|-----|--|----------|-----------|--------|----------|-----------|--------|
| | | | | Vessels. | Tons net. | Crews. | Vessels. | Tons net. | Crews. |
| American | ... | ... | | 1 | 800 | 86 | 1 | 800 | 86 |
| British | ... | ... | | 3 | 25,145 | 1,246 | 3 | 25,145 | 1,246 |
| Total | | | | 4 | 25,945 | 1,332 | 4 | 25,945 | 1,332 |

APPENDIX (M) E.

Number, Tonnage and Crew of Steamers of each Nation, entered at the Port of Malacca, in the Colony of the Straits Settlements, in the Year 1921.

| NATIONALITY OF VESSELS. | ENTERED. | | | | | | | | |
|-------------------------|-------------|------------|--------|-------------|------------|-------|----------|------------|--------|
| | WITH CARGO. | | | IN BALLAST. | | | TOTAL. | | |
| | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. |
| British ... | 610 | 192,507 | 36,534 | ... | ... | ... | 610 | 192,507 | 36,534 |
| Dutch ... | 2 | 282 | 33 | ... | ... | ... | 2 | 282 | 33 |
| Japanese ... | 13 | 62,335 | 1,773 | ... | ... | ... | 13 | 62,335 | 1,773 |
| Total ... | 625 | 255,124 | 38,340 | ... | ... | ... | 625 | 255,124 | 38,340 |

APPENDIX (M) F.

Number, Tonnage and Crew of Steamers of each Nation, cleared from the Port of Malacca in the Colony of the Straits Settlements, in the Year 1921.

| NATIONALITY OF VESSELS. | CLEARED. | | | | | | | | |
|-------------------------|-------------|------------|--------|-------------|------------|-------|----------|------------|--------|
| | WITH CARGO. | | | IN BALLAST. | | | TOTAL. | | |
| | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. | Vessels. | Tons, net. | Crew. |
| British ... | 610 | 192,507 | 36,534 | ... | ... | ... | 610 | 192,507 | 36,534 |
| Dutch ... | 2 | 282 | 33 | ... | ... | ... | 2 | 282 | 33 |
| Japanese ... | 13 | 62,335 | 1,773 | ... | ... | ... | 13 | 62,335 | 1,773 |
| Total ... | 625 | 255,124 | 38,340 | ... | ... | ... | 625 | 255,124 | 38,340 |

Malacca—Comparative Statement of Shipping between the Years 1920 and 1921.

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Number, Tonnage and Crew of British and Foreign Native Craft and Steamers under 50 tons entered and cleared, during the Year 1921.

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APPENDIX (M) I.

Statement showing the Number, Tonnage and Crew of Native Craft and Steamers under 50 Tons which have arrived at Malacca in the Year 1921.

| COUNTRIES FROM WHICH ARRIVED. | ENTERED. | | | | | | | | |
|-------------------------------|-------------|------------|--------|-------------|------------|-------|----------|------------|--------|
| | WITH CARGO. | | | IN BALLAST. | | | TOTAL. | | |
| | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. |
| China ... | ... | ... | ... | 1 | 25 | 35 | 1 | 25 | 35 |
| Johore ... | 139 | 2,042 | 321 | 125 | 888 | 211 | 264 | 2,930 | 532 |
| Negri Sembilan ... | 136 | 4,810 | 1,803 | 53 | 490 | 263 | 189 | 5,300 | 2,066 |
| Penang ... | ... | ... | ... | 2 | 43 | 34 | 2 | 43 | 34 |
| Selangor ... | 44 | 405 | 109 | 4 | 22 | 9 | 48 | 427 | 118 |
| Singapore ... | 356 | 19,200 | 7,026 | 6 | 183 | 34 | 362 | 19,383 | 7,060 |
| Sumatra, East Coast | 1,992 | 14,719 | 3,738 | 134 | 218 | 191 | 2,126 | 14,937 | 3,929 |
| Total ... | 2,667 | 41,176 | 12,997 | 325 | 1,869 | 777 | 2,992 | 43,045 | 13,774 |

APPENDIX (M) J.

Statement showing the Number, Tonnage and Crew of Native Craft and Steamers under 50 Tons which have departed from Malacca in the Year 1921.

| COUNTRIES CLEARED FOR | CLEARED. | | | | | | | | |
|-----------------------|-------------|------------|--------|-------------|------------|-------|----------|------------|--------|
| | WITH CARGO. | | | IN BALLAST. | | | TOTAL. | | |
| | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. | Vessels. | Tons, Net. | Crew. |
| China ... | 1 | 30 | 11 | 4 | 106 | 78 | 5 | 136 | 89 |
| Johore ... | 172 | 2,473 | 387 | 76 | 1,192 | 213 | 248 | 3,665 | 600 |
| Negri Sembilan ... | 128 | 4,662 | 1,742 | 55 | 447 | 259 | 183 | 5,109 | 2,001 |
| Penang ... | ... | ... | ... | 2 | 40 | 37 | 2 | 40 | 37 |
| Selangor ... | 33 | 332 | 71 | 4 | 8 | 7 | 37 | 340 | 78 |
| Singapore ... | 296 | 15,646 | 6,941 | 46 | 3,026 | 220 | 342 | 18,672 | 7,161 |
| Sumatra, East Coast | 2,215 | 12,712 | 3,405 | 258 | 3,338 | 638 | 2,473 | 16,050 | 4,043 |
| Total ... | 2,845 | 35,855 | 12,557 | 445 | 8,157 | 1,452 | 3,290 | 44,012 | 14,000 |

APPENDIX (M) K.

Malacca—Comparative Statement of Native Craft and Steamers under 50 Tons for the Years 1920 and 1921.

| | INWARDS. | | | | | | OUTWARDS. | | | | | |
|---|----------|----------|---------|----------|-----------|----------|-----------|----------|---------|----------|---------|----------|
| | 1920. | | 1921. | | Increase. | | Decrease. | | 1920. | | 1921. | |
| | | | | | | | | | | | | |
| | Number. | Tonnage. | Number. | Tonnage. | Number. | Tonnage. | Number. | Tonnage. | Number. | Tonnage. | Number. | Tonnage. |
| Native Craft and Steamers under 50 tons ... | 3,810 | 59,282 | 2,992 | 43,045 | .. | ... | 818 | 16,237 | 3,844 | 60,025 | 3,290 | 44,012 |
| | | | | | | | | | | | ... | ... |
| | | | | | | | | | | | 554 | 16,013 |

EDUCATION.

PART I.

DEPARTMENTAL STAFF.

1. The Hon'ble Mr. H. W. FIRMSTONE, Director of Education, Straits Settlements and Federated Malay States, continued to act as Resident Councillor, Penang, until the 11th February when he proceeded on furlough, and retired on pension, after 31 years' service, on the 12th December.

2. Dr. R. O. WINSTEDT, D. LITT., Assistant Director of Education, Straits Settlements and Federated Malay States, continued to act as Director of Education until the end of May when he was seconded to act as Principal of the Raffles College, Singapore.

3. Mr. E. C. H. WOLFF, Principal Assistant Colonial Secretary, Straits Settlements, acted as Director of Education, Straits Settlements and Federated Malay States, from the 1st June and was confirmed in the appointment from the 12th December. The appointment of Assistant Director of Education was left vacant throughout the year.

4. Mr. A. J. WELLER, Chief Inspector of English Schools, Straits Settlements and Federated Malay States, and Miss A. R. MACIVER, Lady Supervisor of Malay Girls' Schools, Straits Settlements and Federated Malay States, were on duty throughout the year.

5. Mr. H. L. SUMNER, Inspector of Schools, Singapore, returned from leave on the 5th July but was compelled to retire at the end of October on grounds of health. By his retirement the Department lost the services of a capable, zealous and experienced officer. In his absence the appointment was successively filled by Mr. J. CHARNLEY, who resigned from the service on the 17th March, and Mr. D. W. McLEOD.

6. Mr. H. T. CLARK, Inspector of Schools, Penang, proceeded on furlough on the 4th May, his place being taken by Mr. J. WATSON.

7. Mr. H. BALL acted in the newly created post of Inspector of Schools, Malacca, from the 10th March to the end of the year.

PART II.

REVENUE AND EXPENDITURE.

Revenue.

8. The total revenue, all of which was collected by the Education Board, amounted to \$646,766.41, divided as follows:—

| | | 1920. | | 1921. | |
|-----------|-----|------------|------------|------------|----|
| | | — | | — | |
| | | \$ | c. | \$ | c. |
| Singapore | ... | ... | 384,278 08 | 450,505 | 73 |
| Penang | ... | ... | 191,746 23 | 162,163 | 74 |
| Malacca | ... | ... | 128,181 01 | 32,272 | 94 |
| Labuan | ... | ... | 1,297 50 | 1,824 | 00 |
| | | <hr/> | | <hr/> | |
| | | 705,502 82 | | 646,766 41 | |
| | | <hr/> | | <hr/> | |

Details of total Revenue:—

| | | <i>School Fees.</i> | | <i>Education Rate.</i> | | <i>Miscel.</i> | | <i>Total.</i> | |
|-----------|-----|---------------------|----|------------------------|----|----------------|----|---------------|----|
| | | — | | — | | — | | — | |
| | | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| Singapore | ... | 76,447 | 00 | 371,670 | 01 | 2,388 | 12 | 450,505 | 73 |
| Penang | ... | 39,203 | 50 | 120,066 | 95 | 2,893 | 29 | 162,163 | 74 |
| Malacca | ... | 6,498 | 00 | 22,353 | 47 | 3,421 | 47 | 32,272 | 94 |
| Labuan | ... | 1,824 | 00 | — | — | — | — | 1,824 | 00 |
| | | <hr/> | | <hr/> | | <hr/> | | <hr/> | |
| | | 123,972 50 | | 514,091 03 | | 8,702 88 | | 646,766 41 | |
| | | <hr/> | | <hr/> | | <hr/> | | <hr/> | |

A contribution of \$89,241 was also made by the Colonial Government to the Education Board's funds. This will be refunded in 1922.

Expenditure.

9. The expenditure was \$1,462,157.55. This was divided between the Government and the Education Board as follows:—

| | | <i>Government.</i> | | <i>Education Board.</i> | | <i>Total.</i> | |
|-----------|-----|--------------------|----|-------------------------|----|---------------|--------|
| | | — | | — | | — | |
| | | \$ | c. | \$ | c. | \$ | c. |
| Singapore | ... | 220,527 | 55 | 351,925 | 97 | 572,453 | 52 |
| Penang | ... | 251,042 | 38 | 355,979 | 61 | 607,021 | 99 (a) |
| Malacca | ... | 188,071 | 72 | 90,126 | 38 | 278,198 | 10 |
| Labuan | ... | 3,760 | 00 | 723 | 94 | 4,483 | 94 |
| | | <hr/> | | <hr/> | | <hr/> | |
| | | 563,401 65 | | 798,755 90 | | 1,462,157 55 | |
| | | <hr/> | | <hr/> | | <hr/> | |

(a) This sum includes \$120,620 refund of advances made by the Colonial Treasury in 1920 for the payment of grants-in-aid in that year.

The net expenditure, after deducting the revenue from fees, education rate and miscellaneous sources, was :—

| | | | | \$ | c. |
|-----------|-----|-----|-----|---------|-----|
| Singapore | ... | ... | ... | 121,947 | 79 |
| Penang | ... | ... | ... | 324,238 | 25* |
| Malacca | ... | ... | ... | 245,925 | 16† |
| Labuan | ... | ... | ... | 2,659 | 94 |
| Total | ... | | | 694,771 | 14 |

The relatively small *net* expenditure in Singapore is attributable to the much larger sum collected there than in the other Settlements by means of the Education Rate.

The Expenditure for the year 1920 was :—

| | Government. | | Education Board. | | Total. | |
|-----------|-------------|------------|------------------|-------------|--------|--------------|
| | \$ | c. | \$ | c. | \$ | c. |
| Singapore | ... | 229,621 09 | ... | 511,911 18 | ... | 741,532 27 |
| Penang | ... | 183,167 06 | ... | 302,733 01 | ... | 485,900 07 |
| Malacca | ... | 138,595 96 | ... | 93,760 21 | ... | 232,356 17 |
| Labuan | ... | 2,901 61 | ... | 609 17 | ... | 3,510 78 |
| Total | ... | 554,285 72 | ... | 909,013 57‡ | ... | 1,463,299 29 |

The amount paid in respect of Grants to the English Aided Schools was \$529,294.11 as compared with \$557,043.39 for the year 1920.

PART III.

THE ENGLISH SCHOOLS.

Staff of Government English Schools.

10. Singapore :—

(a) RAFFLES INSTITUTION.

Mr. C. M. PHILLIPS was in charge as Principal up to the 22nd April when he went on leave to Europe, prior to retiring on pension. Mr. G. T. PEALL, Commercial Master, acted temporarily till the 5th May, when Mr. D. A. BISHOP, Headmaster of Victoria Bridge School, returned from leave. Mr. BISHOP then assumed duty as Acting Principal and continued to act till the end of the year. Mr. W. V. DOHERTY, European Master, resigned on the 28th February.

(b) RAFFLES GIRLS' SCHOOL.

Miss D. M. BUCKLE, the Principal, was in charge of the school throughout the year. Miss C. RICHARDSON, European Mistress, proceeded on leave to Europe on the 7th May.

(c) OUTRAM ROAD SCHOOL.

Mrs. A. L. BISHOP acted as Headmistress up to the 15th February when she proceeded on leave to Europe.

Mr. M. R. HOLGATE, European Master, Raffles Institution, was appointed to act as Headmaster and continued so until the end of the year.

* Exclusive of the \$120,620 mentioned above.

† Includes \$36,355.12 spent on the Malay College.

‡ Includes both 1919 and 1920 grants-in-aid.

Miss M. D. GIBBS, a locally trained teacher, was put in charge of the Student Teachers' Class and continued in charge throughout the year.

(d) VICTORIA BRIDGE SCHOOL.

The Reverend A. J. AMERY acted as Principal throughout the year.

(e) PEARLS HILL SCHOOL.

Miss M. A. BUXTON was in charge as Headmistress until the 31st August, when she retired. Miss E. LOCKIE, a European Mistress on Local Establishment, was appointed to act temporarily until return from leave to Europe of Mrs. A. L. BISHOP on the 14th November. Mrs. BISHOP was then appointed Headmistress and was in charge till the end of the year.

The following new appointments were made to the European Staff during the year:—

| | | | |
|-----------------------|-----|-----|----------------|
| Mr. J. BAIN, M.C. | ... | ... | 7th January. |
| Capt. C. E. H. JACOBS | ... | ... | 15th January. |
| Mr. C. D. QUARMBY | ... | ... | 12th November. |

All joined Raffles Institution.

11. *Labuan*:—

(f) GOVERNMENT ENGLISH SCHOOL.

Mr. H. B. MCINTYRE, the Headmaster, was in charge throughout the year.

12. *Penang*:—

(g) GOVERNMENT GIRLS' SCHOOL.

Mrs. E. DUNSHEA, the Headmistress, was on leave from January 20th till November 11th. Mrs. A. FERGUSON, the First European Assistant, acted as Headmistress during Mrs. DUNSHEA'S absence. The two vacancies for European Assistants were filled one on December 11th, 1920, by the transfer of Miss M. C. BUCKLEY from Singapore and the other temporarily on June 15th by the transfer of Miss J. A. E. M. DAVIDSON from Taiping. The Junior Staff consisted of 10 local teachers.

(h) FREE SCHOOL.

Mr. R. H. PINHORN, the Headmaster, was on leave till February 3rd when he returned and resumed duty. Mr. W. HAMILTON continued acting during Mr. PINHORN'S absence. Mr. H. R. CHEESEMAN returned from leave on October 1st and Mr. J. W. ECKERSALL went on leave on December 17th. Captain DRURY, O.B.E., Mr. E. C. HICKS and Mr. E. T. M. LIAS joined the staff from England on April 8th, October 24th and November 20th, respectively. The Junior Staff consisted of 24 local teachers.

The Estimates provided for 4 Europeans Mistresses for the Government Girls' School and the 4 appointments were filled though in one case temporarily only. In the Penang Free School the number of appointments provided for was 11 and of these all but two were eventually filled.

13. *Malacca*:—

(i) HIGH SCHOOL.

Mr. C. F. C. AYRE was in charge until the end of April when he went Home on long leave. He was without any European Assistant until the arrival of Mr. D. J. MURPHY on 2nd February.

Mr. C. N. B. BEAMISH, Temporary Assistant Master, Malay College, Kuala Kangsar, acted as Headmaster when Mr. AYRE went on leave.

(j) PREPARATORY SCHOOL.

Miss LE CAIN was in charge throughout the year. She was assisted by 1 trained and 2 untrained teachers.

School Examinations.

14. The Standard VII Examination for Leaving Certificate was abolished, and the Junior Cambridge Local Examination substituted.

Secondary Classes.

15. The number of pupils attending these classes in 1919, 1920 and 1921 was:—

| | | | 1919. | 1920. | 1921. |
|-----------|-----|-----|-------|-------|-------|
| | | | — | — | — |
| Singapore | ... | ... | 397 | 389 | 467 |
| Penang | ... | ... | 398 | 404 | 473 |
| Malacca | ... | ... | 54 | 48 | 51 |
| | | | — | — | — |
| | | | 849 | 841 | 991 |
| | | | — | — | — |

Cambridge University Local Examinations.

16. The following table shows the number of candidates presented by the English Schools in each of the Settlements and the number of passes obtained at the examinations held in December, 1921:—

| | | SENIOR. | | JUNIOR. | | |
|-----------|---------|---------|--------|---------|--------|----|
| | | Boys. | Girls. | Boys. | Girls. | |
| | | — | — | — | — | |
| Singapore | Entered | ... | 66 | 22 | 156 | 39 |
| | Passed | ... | 37 | 21 | 91 | 21 |
| Penang | Entered | ... | 128 | 4 | 231 | 44 |
| | Passed | ... | 109 | 2 | 113 | 32 |
| Malacca | Entered | ... | 6 | — | 27 | 4 |
| | Passed | ... | 6 | — | 11 | 4 |

The following are the corresponding figures for 1920:—

| | | SENIOR. | | JUNIOR. | |
|-----------|---------|---------|--------|---------|--------|
| | | Boys. | Girls. | Boys. | Girls. |
| | | — | — | — | — |
| Singapore | Entered | ... 103 | 19 | 141 | 35 |
| | Passed | ... 61 | 18 | 56 | 26 |
| Penang | Entered | ... 133 | 12 | 224 | 31 |
| | Passed | ... 80 | 8 | 124 | 6 |
| Malacca | Entered | ... 4 | — | 18 | 5 |
| | Passed | ... 3 | — | 12 | 2 |

Other Examinations.

17.—(a) *London University Matriculation.*—

| | | | <i>Singapore.</i> | <i>Penang.</i> |
|----------------|-----|-----|-------------------|----------------|
| | | | — | — |
| Number entered | ... | ... | 11 | 10 |
| „ passed | ... | ... | 2 | 4 |

(b) *London Intermediate Arts.*—

| | | | <i>Singapore.</i> | <i>Penang.</i> |
|----------------|-----|-----|-------------------|----------------|
| | | | — | — |
| Number entered | ... | ... | Nil | 5 |
| „ passed | ... | ... | Nil | 3 |

(c) *Hongkong University Matriculation.*—

| | | | <i>Singapore.</i> | <i>Penang.</i> |
|----------------|-----|-----|-------------------|----------------|
| | | | — | — |
| Number entered | ... | ... | Nil | 14 |
| „ passed | ... | ... | Nil | 12 |

(d) *London Chamber of Commerce.*—

| | | | <i>May, 1921, December, 1921,</i> | |
|----------------|-----|-----|-----------------------------------|----------------|
| | | | <i>Singapore.</i> | <i>Penang.</i> |
| | | | — | — |
| Number entered | ... | ... | 51 | 29 |
| „ passed | ... | ... | 40 | 10 |

(e) *King Edward VII Medical School.*—

| | | | | <i>Singapore,</i> |
|----------------|-----|-----|-----|-------------------------|
| | | | | <i>May, 1921.</i> |
| | | | | — |
| Number entered | ... | ... | ... | 40 |
| „ passed | ... | ... | ... | 23 |
| | | | | — |
| | | | | <i>September, 1921.</i> |
| | | | | — |
| Number entered | ... | ... | ... | 14 |
| „ passed | ... | ... | ... | 6 |

(f) *Trinity College of Music.*—

| | | | | <i>Singapore,</i> |
|----------------|-----|-----|-----|--------------------|
| | | | | <i>June, 1921.</i> |
| | | | | — |
| Number entered | ... | ... | ... | 57 |
| „ passed | ... | ... | ... | 35 |

Needle-work in English Schools.

18. *Singapore.*—A Committee of ladies very kindly gave their services for the work of inspection. The methods of instruction and the work in all the schools were thoroughly examined and favourable reports were made in every case. The needle-work is skilfully and efficiently done and is a very useful part of the curriculum of all girls' schools. The reports on the Raffles Girls' School and the Fairfield Girls' School were particularly favourable.

Penang.—Two ladies very kindly undertook the inspection of the needle-work done in the three girls' schools and reported as follows:—

“Work was shown by 757 girls. The examination was held on work done throughout the year and on samples worked at the time of the examination. Each school had prepared its own syllabus. The standard of work is very high, the best results being obtained where a simple code is in use.”

Malacca.—The schools were examined by three ladies who very kindly gave their services. They reported as follows:—

French Convent—

“The needle-work of all the classes was uniformly good.”

Portuguese Convent—

“We found the work excellent and were pleased to see that the girls could make their own clothes. The teachers must exercise great patience to obtain such good results.”

Rebecca Cooper Suydam Girls' School—

“We found the needle-work quite satisfactory and the crochet work is very well done.”

Training of Teachers for English Schools.

(a) NORMAL CLASSES.

19. The annual examination of the Normal Classes was held with the following results:—

| | | ENTERED. | | PASSED. | |
|-----------|-----|----------|---------|---------|---------|
| | | Senior. | Junior. | Senior. | Junior. |
| Singapore | ... | 15 | 35 | 7 | 16 |
| Penang | ... | 16 | 33 | 8 | 20 |
| Malacca | ... | 5 | 16 | 2 | 8 |
| | | 36 | 84 | 17 | 44 |

(b) GIRLS' SCHOOL TRAINING CLASSES.

Raffles Girls' School.

Singapore.—Five students who had passed the Senior Cambridge were presented for examination and passed.

Penang.—Two girls were undergoing training at the Government Girls' School training classes but were still in the middle of their course at the end of the year.

(c) STUDENT TEACHERS' CLASS.

Outram Road School, Singapore.

Miss M. D. GIBBS who returned from leave in January was in charge of the class till the end of the year.

| | | | | |
|---------------------------------|-----|-----|-----|-----|
| Enrolled on January 1st, 1921 | ... | ... | ... | 6 |
| Joined during the year | ... | ... | ... | 6 |
| Resignations | ... | ... | ... | 2 |
| Promoted to Teachers | ... | ... | ... | Nil |
| Enrolled on December 31st, 1921 | ... | ... | ... | 10 |

Science and Commercial Work.

20. *Singapore*.—A very considerable development in both these branches took place during the year. Raffles Institution has now a well-equipped and up-to-date Science Laboratory, with Science Classes in full working order. Candidates for the London Chamber of Commerce Examination were presented from 5 English Schools with good results.

Evening Classes.

21. *Singapore*.—Preliminary arrangements were completed for conducting Evening Classes in Commercial and Preparatory Technical work at Raffles Institution and initial enrolment was begun.

A fully qualified staff was secured and the classes made an excellent start early in 1922 with 250 pupils.

Penang.—Mr. J. M. PRESCOTT gave lessons in elementary and advanced shorthand and Mr. L. W. ARNOLD in elementary practical geography. The courses consisted of 30 lessons.

Mr. PRESCOTT stated that he was quite satisfied with the interest shown in the work, those who attended regularly being keen on mastering the subject.

The classes (each of 30 students) in practical geography were duplicated owing to the great demand for admission from teachers.

In both classes about 23 out of the original 30 attended regularly throughout the course.

Mr. ARNOLD states that all the pupils seemed to take an interest in the subject and that many showed skill in handling the materials, though a large number were handicapped by their lack of knowledge of the subject matter of geography. It is hoped that the students will make practical use in their own teaching of the knowledge they gained.

Physical Training.

22. *Singapore*.—A general scheme for physical training for both school children and teachers was introduced, under the supervision of Mr. JEFFERSON, Physical Director of the Y. M. C. A.

Physical Training Classes were instituted in all schools and the course was made part of the regular curriculum.

A Training Class for Teachers was also started. Attendance was optional but 56 teachers took the final examination and 38 (26 men and 12 women) passed.

Provision of accommodation for Physical Training is inadequate in almost every school, so that the work is greatly hampered. A drill-hall or gymnasium should be part of every school building. When this is done, rapid progress may be expected. With combined Physical Training and Medical Inspection a general improvement in the health and tone of school-children should soon be noticeable.

Penang.—In all schools physical training is carried out and in the large boys' and girls' schools considerable attention is paid to it, with gratifying results.

Recreation.

23. *Singapore*.—The Y. M. C. A. Swimming pool was open to all schools and instruction was carried out under the supervision of Mr. JEFFERSON. Eighteen schools sent pupils and a total attendance of 34,463 was registered. Over 250 boys were taught to swim. A School Swimming Championship was instituted and the events were keenly contested.

A successful effort was made to introduce organised games into school playing-grounds, and volley-ball and basket-ball have now been added to the football, cricket, etc., formerly solely practised.

Penang.—In the Free School every master is expected to and does interest himself in the games indulged in by his form.

The inter-school sports were won by the Free School in competition with the Anglo-Chinese School. The St. Xavier's Institution did not take part.

Malacca.—Interest in sports and games has been revived. Cricket, Association and Rugby, Football, Hockey and Tennis have all been played. The High School is very much handicapped by the absence of any playing fields of its own.

Cadet Corps.

24. *Singapore*.—It was agreed during the year to abolish Cadet Corps and to substitute Boy Scout Troops at the various schools.

Penang.—Lieutenant-Colonel WHYTE, Adjutant, Penang Volunteers, inspected the Cadets of the Free School on November 10th, of St. Xavier's Institution on November 21st and of the Anglo-Chinese School on December 6th and his reports indicate that the three corps are in a very satisfactory state. The number of Cadets in the Free School Corps was 136, in St. Xavier's 100 and in the Anglo-Chinese School 60.

Malacca.—The High School Cadet Corps continued its work satisfactorily and the capitation grant for efficiency in musketry was obtained. Two bands have been started, a drum and fife band and a drum and bugle band, the instruments having been provided by a generous local Chinese gentleman, Mr. TAN JIAK CHOO.

Boy Scouts.

25. *Singapore*.—General control is in the hands of Mr. SANDS, the Boy Scout Commissioner for Malaya, and most of the Boys' Schools now have enthusiastic and flourishing troops attached to them. The movement is very popular and largely increased numbers may be anticipated. Parades, route marches and inspections are systematically carried out.

Penang.—Lieutenant-Colonel WHYTE inspected the Boy Scout Troops of the three schools and reported that they were in a very satisfactory state.

There were 104 scouts and 64 cubs in the Free School, 100 scouts in St. Xavier's Institution and 37 in the Anglo-Chinese School.

Girl Guides

26. *Singapore*.—The girl guildes number 70, and 18 brownies. There are no School Companies, but 36 of the guides and all of the brownies are pupils of Raffles Girls' School.

Penang.—The girl guides number 68 with an additional 7 officers. One company belongs to the Government Girls' School, one to the Anglo-Chinese Girls' School and a third is composed of girls who have left school.

General.

27. Mr. A. J. WELLER, Chief Inspector of English Schools, Straits Settlements and Federated Malay States, writes as follows:—

"I visited all schools with Secondary Departments in the course of the year, and devoted special attention to the methods employed in the teaching of English. As schools already have their own examinations in the lower standards, and the pupils in the Secondary Classes sit for the Cambridge Local Examinations, I did not conduct formal examinations in any school, apart from the Oral Examination in English which was held in December in conjunction with the Cambridge Local Examinations.

"In my visits to the schools, I confined myself as much as possible to questions which would test the intelligence of the pupils and their knowledge of English as a medium of speech. The examination in a set subject is too often nothing more than a test of memory, and the pupil who is successful in a written examination is often at a loss in the problems which confront him in after life.

"In the course of the year, I conducted oral tests in all subjects of the curriculum in various schools, and tested the results of the teaching in the English schools by examining members of the Government Clerical Service in June, November and December.

ENGLISH.

"Ability to read, write, and think in English is presumably the main object of all the English Schools. In so far as examinations, either internal or external, advance this object they are excellent things, but where the pupil regards the examination as an end in itself they are bad.

"The problem confronting the teachers of all nationalities is so to train their pupils in the correct use of the language, both oral and written, that when they leave school they may be able to carry on their work, using English as their medium of speech, or proceed to higher places of learning with an ability to understand lectures delivered in that language.

"The difficulties confronting the pupils vary with their nationalities and with their opportunities for hearing English spoken correctly. They may be compared to English boys who have acquired their French from many different sources, varying possibly from an English master with a very limited knowledge of the language himself to a French master with a Parisian accent and a Southerner or Swiss whose accent is not that of the 'French of Paris'.

"The most that can be hoped for is that a judicious use of phonetics should gradually eliminate the main divergencies from 'Standard English', and enable pupils of any nationality to eradicate those particular mistakes which are peculiar to their own race.

"In the words of the Departmental Committee on the Teaching of English in England, 'The problem is not really one of the use of phonetic symbols, but of what standard English pronunciation is. This is a much debated question, but for our present purpose it should suffice to say that it is a pronunciation free from provincialisms and vulgarisms'.

"Training in continuous oral expression should be brought to the front as the most indispensable part of the school course. It is the foundation upon which proficiency in the writing of English must be based; more than that, it is a condition of the successful teaching of all that is worth being taught."

AIDS TO SELF-EXPRESSION IN ENGLISH.

"In some schools Debating Societies already play their part, and dramatic performances are given. Too much emphasis cannot be laid on these as an aid to the use of correct and vigorous English. From the Primary Department upwards pupils should be encouraged to dramatise a portion of their lessons. In the Cambridge Local Classes, Shakespeare is studied with elaborate care and attention to archaic expressions, etc.; if the pupils act the plays or scenes themselves, they will not lose sight of the fact that his works are something more than school books. When the English pupil struggles painfully through a Greek play he barely realises that the language he is studying was once a medium of speech; it is for him a source of labour, full of irregular verbs and nouns—a peg on which to hang lessons on the various use of prepositions, etc.

"So with the foreigner learning English; the printed word is lifeless; it is the spoken word and the dramatic power of the teacher that give it life.

"So History lessons can be dramatised; stories in 'Readers' can be made to live, and the pupil can realise that the English which he is studying in schools is not merely one of the many subjects of the School curriculum.

"It is obviously a great achievement for a school to receive a child in a primary class unable to speak a word of English, and to teach that child so successfully that he is able to pass the Cambridge Local Examination some years later.

"But if we give the children an English education, we want to ensure that those of them who leave school without taking the Local Examinations should have sufficient command of English to understand and speak it correctly, and a desire to improve their knowledge by private reading.

"I fear that at present there are many pupils who leave school able to write learned notes on archaisms in one of Shakespeare's plays, yet never read any English afterwards other than cheap novels and trashy—if not immoral—literature which can be picked up for a small sum at the bookstalls.

"They are in the position of the English school-boy who can pass an examination in French by an intensive study of a tragedy of Racine or a comedy of Molière; too often that intensive study of the great classics is made before the child can appreciate them, and the result is a definite distaste for all 'Classics'.

HISTORY.

"This is taught for the most part by means of historical readers, which provide excellent material for training in English Composition. In the Cambridge Classes special periods of English History are studied for examination purposes, and a study of a period of Empire History is required for the Preliminary Clerical Examination.

"Many educationists now claim that this is one of the most important subjects in the curriculum. It is at least clear that the old conception of elementary education as being confined to the three 'R's' was inadequate. The children in our schools cannot, of course, learn History until their knowledge of English is sufficient for them to understand the simplest stories, but it is undeniable that if they are to become useful citizens they should be instructed at the earliest possible moment about the system of Government under which they live. Pictures and books should be accessible in every school library, and use might well be made of the Cinema to give children a clear idea of the conditions under which people live in other lands.

"No teacher of History can be entirely without bias, but with the younger children he can confine himself to uncontroversial matter, and with the older children he will place all the known facts before the student and leave him to draw his own conclusions, with the best guidance available.

TEXT BOOKS.

"There is room for great improvement in this respect, though the present financial conditions make it difficult to change the books at present in use, or to provide more suitable pictures and maps for class room use. Many of the English readers in use are quite inappropriate for children in this country, both text and illustrations being entirely beyond their understanding."

28. The following information is given in Appendices:—

Appendix I.—Table of English Schools and pupils under Government supervision.

- „ II.—Enrolment and attendance at English Schools.
- „ III.—Nationality of Pupils in English Schools.
- „ IV.—Nationality of Teachers in English Schools.

Appendix V.—Number of English Schools with Cadet Corps or Boy Scouts, etc.

- „ VI.—Qualifications of English Teachers in Government and Aided Schools.
- „ VII.—Accommodation at the Government English Schools.
- „ VIII.—Accommodation in Aided English Schools.
- „ IX.—Details of Staffs and Grants in Aided Schools.
- „ X.—Classification of pupils on the average enrolment in different departments.
- „ XI.—Nationality of pupils in English Schools.

PART IV.

MALAY SCHOOLS.

29. The Inspectors of Schools, Singapore and Penang, were in charge of Malay education throughout the year in their Settlements. Mr. DUSSEK was Superintendent of Malay Education in Malacca until March 10, when the Acting Inspector of Schools (Mr. BALL) took charge.

There were Malay Assistant Inspectors of Schools in Penang and Malacca.

30. Excluding the cost of buildings and the salaries of the Director and Assistant Director of Education, the Lady Supervisor of Malay Girls' Schools, the Inspectors of Schools and their staffs, the total expenditure on Malay vernacular education was for Singapore \$38,179, for Penang \$127,647 and for Malacca \$121,642.

The expenditure per pupil in average attendance was in Singapore \$26.83, in Penang \$20.91 and in Malacca \$22.94. These figures do not include the cost of the Malay Training College.

31. The following information is given in Appendices:—

Appendix XII.—Staff of Government Malay Schools.

„ XIII.—Table of Malay Schools and pupils.

„ XIV.—Grading of the Malay Schools.

32. *Singapore*.—No new schools were opened.

Forty-nine pupils from the Malay vernacular schools were admitted into English Schools during the year.

33. *Penang, Province Wellesley and the Dindings*.—Two new girls' schools were opened, one at Kelawai in George Town and one at Cherok To'kun in Province Wellesley.

The Lumut Boys' School was closed for lack of pupils at the very end of 1920.

Eight students completed their education at the Malacca Training College and were added to the staff. Seven student teachers were sent to the College.

In 32 schools basketry was taught.

Drill and physical exercises were performed in all the schools. Inter-school sports were held at 5 centres.

Two thousand seven hundred and fifty-five boys and 170 girls received treatment from Malay Dressers of the Medical Department.

Seventeen pupils died during the year.

One thousand three hundred and twenty-one candidates were presented for the annual Standard IV examination and 1,073 passed. Improvement was noticed in Reading, Spelling, Composition and Geography, all favourite subjects with Malays. Arithmetic was unsatisfactory; Hygiene was poor and Drawing is unlikely to improve without a supply of trained teachers.

One thousand five hundred and thirty-nine boys and 256 girls left school in the course of the year.

34. *Malacca*.—No new schools were opened and none closed.

The rebuilding of the schools at Bukit Rambai and Nyalas was completed early in the year. The new school at Durian Daun was half completed.

The schools at Serkam, Sungai Baharu and Kuala Sungai Baharu became so overcrowded that temporary sheds had to be erected to relieve the congestion.

Eight trained teachers passed out of the Training College and joined the staff.

There were four deaths among the teaching staff, three being trained men. Five teachers retired on pension.

Two Basketry Supervisors were appointed and the handicraft was taught in 47 schools. The quality of the work showed marked improvement.

School guides, also, made a distinct advance.

The teachers continued to supply medicine to the pupils and use was made of the schools for vaccination purposes.

There were 18 deaths among pupils.

One hundred and ninety-one summonses were taken out against parents for the non-attendance of their children and fines amounting to \$336 inflicted.

Malay Girls' Schools.

35. The Lady Supervisor reports as follows:—

“The increase in the enrolment in the 34 girls' schools in the Colony was 14·64 per cent for the year.

“The work in the schools is progressing slowly. Teachers show more willingness to ask questions about their work. Malay women are slow to try new methods but they have improved in the teaching of needle-work. They are keen to learn new stitches and often adopt these for use on their own garments. Every girl in Standard IV made at least one garment for her own use.

“*Singapore*.—The Malay Girls' Schools are disappointing. The work is very elementary chiefly owing to the unwillingness of parents to allow the older girls to walk through the town streets. Two aided schools in Dunlop Street and Kallang were closed owing to poor attendance.

“*Penang and Province Wellesley*.—The work here is satisfactory. Both teachers and pupils seem alert and it is easy to have new suggestions carried out.

“*Malacca*.—The Girls' Schools are the most backward in the country owing to the inferior qualifications of the women teachers and perhaps to the use of the boys' schoolrooms for girls from noon till 3 p.m., the hottest hours of the day.”

The Malay Training College, Malacca.

36. Mr. O. T. DUSSEK was in charge throughout the year.

At the end of the year there were 70 students in residence:—4 from Singapore, 14 from Penang, 14 from Malacca, 9 from Negri Sembilan, 11 from Selangor, 14 from Pahang and 4 from Kedah.

The Annual Examination was held by the then Acting Director of Education (Dr. WINSTEDT), who reported as follows:—

“The Arithmetic papers, intentionally easy, were well done by all except two or three candidates. Students had benefited greatly by the use of Mr. DUSSEK’s Malay Arithmetic.

“Geography, always interesting to Malay students, was very well done. Only two Senior and no Junior candidate got less than half marks. There was tendency to diffuseness but this is preferable to the meagre answers of a few years ago. The use of an adequate text-book has made the subject real instead of an exercise in memorizing the names and heights of mountains.

“History was well done by students of both years. Again the use of a text-book has worked a wonderful improvement.

“The Juniors did well in Grammar and Language but it was the weakest subject the Seniors presented. The introduction of the new Malay Dictionary will effect improvement but a simple Grammar is required.

“Good essays were written by many students. The style on the whole was creditable and the *Jawi* good.

“Basketry is very popular and excellent baskets were made, the practice of the craft having a beneficial effect even on academic work.

“The paper on the Theory of Teaching was well done, though many of the answers were vague and loosely constructed. The use of stops in all papers leaves much to be desired.”

37. Thirty-nine Senior Students gained Certificates. All Junior Students qualified for their second year’s training.

The health of the students was satisfactory.

Four hundred and thirty-seven baskets were made, of which 384 sold for \$985, a highly satisfactory figure.

Drills and Games were carried on regularly.

The expenditure was \$36,355 made up of \$23,319 for salaries, \$12,331 for maintenance and \$704 for repairs. The increase in salaries was due to the Headmaster receiving the salary of his substantive appointment as Principal, Tanjong Malim College, with arrears.

General.

38. Malay vernacular education has broadly three functions to perform: (a) to teach the dull boy enough reading, writing and arithmetic to help him keep his accounts with the village shop-keeper or his employer; (b) to prepare the intelligent boy for that English education which is necessary if he is to aspire to well-paid business or Government; (c) to give the bright boy with a bent for manual work the ground-work for prosecuting such work profitably. The first of these functions the Government Malay Schools have fulfilled with increasing success for several decades. The second they have taken up with vigour and most promising results of recent years. A little time ago European headmasters regarded the Malay pupil as backward and dull. For 1920 the Inspector of Schools, Penang, writes: “One of the classes of the Free School was composed of boys who had joined at the beginning of the year after passing Standard IV in a Malay School. In one year this class had advanced so far that the boys in it were able to take the *second* standard examination and succeeded in capturing the first half-dozen or so places”. As for the third function, the introduction of basketry and gardening has already done much to inculcate the dignity of manual labour. And when the new Tanjong Malim College shall turn out teachers trained by an expert Agriculturist, an epoch-making advance is to be expected.

PART V.

TAMIL SCHOOLS.

39. The figures relating to Tamil Schools are given in Appendix XV.

Singapore.—Anglo-Tamil School, Hastings Road. This school was commenced in 1913 and first received Grant-in-Aid from Government in 1916. It is held in the upper storey of a shop-house in Hastings Road. The work done is of little educational value and scarcely justifies the Grant-in-Aid. There are two Tamil teachers in charge who draw their salaries of \$35 and \$30 per mensem from fees paid by the children and the Grant-in-Aid. The average attendance is 23. Fees were paid amounting to \$570 and Government paid Grant-in-Aid \$143.75. The remaining expenditure was paid by the Manager, Mr. A. K. LETCHUMANA PILLAY. The school was adversely reported on in 1921 and was classed Grade III—the lowest grade.

Penang.—The Convent started a new Tamil School at the commencement of the year and made it efficient.

The schools were all examined by Mr. PETERS, Extra Assistant Controller of Labour, Penang, whose reports showed that the standard of the work, with the exception of that at Batu Kawan Estate School, was much the same as in 1920. An improvement was noted in the Batu Kawan School.

The teachers in the schools are not as a rule very efficient and the standard of Tamil education in consequence is low.

No pupils were presented in Standard IV.

The amount of grant to be paid to Tamil Schools for the year 1921 is \$1,981 and on an average attendance of 221 this works out at \$8.96 per pupil.

Malacca.—There are no Government or Aided Tamil Schools in Malacca, and owing to the financial depression all but three of the twelve Estate Tamil Schools which previously existed were closed down.

PART VI.

CHINESE SCHOOLS.

40. *Singapore.*—Chinese Boys' Vernacular School, Serangoon. This school is held on the ground-floor of a brick and cement building in the compound of the Church of the Nativity of the Blessed Virgin Mary at Serangoon. There are about 17 boys in attendance in Standard I, and 10 in Standards II, III and IV. One Chinese Teacher is in charge for which he is paid \$40 per mensem. He is supervised by the Rev. Father BECHERAS. Fees were paid amounting to \$214.50 and Government paid Grant-in-Aid \$168.75. The remaining expenditure was made up by the Mission. The school was not inspected by a Government Official in 1921, but was classed Grade III—the lowest grade. Maintenance as a Grant-in-Aid school is justified.

Chinese Girls' Vernacular School, Serangoon. This school is held in a new brick and cement building in the compound of the Church of the Nativity of the Blessed Virgin Mary at Serangoon. The building is said to have cost the Mission \$4,500. There are 48 girls in attendance. The teacher in charge is paid \$30 per mensem. She is supervised by the Rev. Father BECHERAS. Fees were paid amounting to \$216.50 and Government paid Grant-in-Aid \$225. The Mission is responsible for the balance of expenditure over income. The school was not inspected by a Government Official in 1921 but was classed Grade III—the lowest grade. Maintenance as a Grant-in-Aid school is justified.

Penang.—There was only one Chinese School under the supervision of the Department, conducted by the Roman Catholic Mission at Balik Pulau. This school was examined by the Assistant Protector of Chinese, Mr. PEDLOW, who reported that the work being done was quite satisfactory. The average enrolment was 59 and the average attendance 56. The grant earned was \$484.50.

Malacca.—There are no Chinese Schools in Malacca under the supervision of the Education Department.

PART VII.

THE EDUCATION BOARD.

41. The Board constituted under Ordinance XVI of 1910 consisted of the four *ex-officio* members, viz.:—The Director of Education (Chairman), the Hon'ble the Resident Councillor, Penang, the Hon'ble the Colonial Treasurer and the Hon'ble the Resident Councillor, Malacca; two members appointed by His Excellency the Governor, viz.:—The Hon'ble Mr. J. W. CAMPBELL and the Hon'ble Mr. W. H. THORNE; and two members elected by the Unofficial Members of the Legislative Council, viz.:—The Hon'ble Mr. D. Y. PERKINS and the Hon'ble Mr. SONG ONG SIANG. Mr. THORNE and Mr. PERKINS succeeded, respectively, Mr. A. F. GOODRICH and Mr. W. LOWTHER KEMP.

Mr. SONG ONG SIANG succeeded Dr. LIM BOON KENG, O.B.E., who resigned on leaving the Colony. The keen interest which Dr. LIM BOON KENG took in all projects for the advancement of education in the Colony was of great value to the Department.

The position of the Education Board's finances was as follows:—

| | \$ | c. |
|--|-----|--------------|
| Balance carried forward from 1920 | ... | 336,796.11 |
| Revenue 1921 | ... | 646,766.41 |
| Government contribution (to be refunded) | ... | 89,241.79 |
| | | <hr/> |
| | | 1,072,804.31 |
| Expenditure | ... | 798,755.90 |
| | | <hr/> |
| Balance carried forward to 1921 | ... | 274,048.41 |

of which \$89,241.79 has to be refunded to the Colonial Treasury, leaving a net credit balance at the end of the year of \$184,806.62.

PART VIII.

THE REFORMATORY.

42. *Staff.*—Mr. JOHN FITT resumed duty as Superintendent on his return from leave on the 10th January, relieving Mr. A. R. SMITH who had been acting during his absence.

The Assistant Superintendent, Mr. P. H. FERNANDEZ, was on duty throughout the year.

The gardening Instructor died on the 18th June.

| | | | | | | | |
|------------------------------------|-----|-----|-----|----------------------------|-----|-----|-------|
| <i>Attendance.</i> —Inmates at end | | | | Released by Order of H. E. | | | |
| of 1920 | ... | ... | 113 | the Governor | ... | ... | 11 |
| Admitted during 1921 | ... | ... | 58 | Released on remission | ... | ... | 38 |
| | | | | Transferred to Lunatic | | | |
| | | | | Asylum | ... | ... | 2 |
| | | | | Died | ... | ... | 1 |
| | | | | Inmates at end of 1921 | ... | ... | 119 |
| | | | | | | | <hr/> |
| Total | ... | ... | 171 | Total | ... | ... | 171 |

The average daily muster was 110.55, compared with 116.12 in 1920. The highest muster during the year was 120 boys, in December, and the lowest 101, in May. The nationality of the 119 boys at the end of the year was—Chinese 64, Malays 19, Indians 34, Eurasians 2.

The nationality of the boys admitted during the year was—Chinese 37, Malays 5, Indians 16, Eurasians nil. They came from the following localities:—Singapore 30, Penang 13, Malacca 3, Federated Malay States 12. Their average age was 12.55 years.

Offences for which inmates were committed:—

| | | | |
|-----------------------------|-----|-----|----|
| Retaining stolen property | ... | ... | 4 |
| Vagrancy | ... | ... | 20 |
| Theft | ... | ... | 26 |
| Attempted Theft | ... | ... | 1 |
| House-breaking | ... | ... | 1 |
| Criminal Misappropriation | ... | ... | 2 |
| Member of Unlawful Society | ... | ... | 1 |
| Obstruction | ... | ... | 1 |
| Escaping from legal custody | ... | ... | 1 |
| Gang Robbery | ... | ... | 1 |

Conduct.—The conduct of the boys was very good. Sixteen were reported for misconduct and five of these were caned. Two boys attempted to escape but were recaptured.

Health.—An outbreak of Mumps occurred in May and lasted for about 6 weeks; all the cases, numbering 28, were treated locally. Forty-three boys were sent to the General Hospital for treatment, and one died there, of tuberculosis, two remained in Hospital at the end of the year. Two boys were transferred to the Lunatic Asylum, one of whom was later certified as cured and was readmitted to complete his term.

Food Supply.—The gardens were kept in good order by the boys, and a good supply of vegetables and fruit was thus obtained, for home consumption.

Employment of boys.—Little tapping was done in the rubber plantation, and in June it was stopped altogether. The plantation was kept clean.

The boys spend part of each day in school, where they learn the ordinary elementary subjects through the medium of Romanized Malay. They also go through a course in each of the various industries which are taught in the Reformatory, and so learn carpentry, tailoring, tin-smithing, vegetable, fruit and flower gardening, rubber estate work in addition to doing the cooking, washing and other work incidental to the running of the institution. They make and repair all their own clothing, and the uniforms for the watchmen, and they make bed boards, tables, doors, tin cups and pans as well as carrying out painting, white-washing and general minor repairs to the Reformatory and the quarters of the staff. All the water has to be pumped up daily from some distance, and this is done by means of a hand pump worked by relays of the bigger boys. A good supply of water is as a rule available but there was a shortage for a few days in July. After the day's work is done the boys play football and other games. Their appearance and demeanour are a sufficient indication of the benefit they derive from the regular and disciplined life in the Reformatory and difficulty is seldom found in getting employment for them as soon as they are discharged.

PART IX.

GENERAL.

43. *Staff.*—The Department was still considerably below its authorised complement of European Officers, but with the improved rates of salary which were introduced at the beginning of the year the future in this respect can be faced with confidence. Six local teachers from Government and Aided Schools were sent to study at the Hongkong University, where the number of such students is now eleven. The absence of facilities for higher education in Malaya renders it difficult to obtain local teachers competent to take the higher classes, with the result that European teachers have to be employed to a greater extent than should be the case. The situation is not one which admits of immediate remedy, but the opening of the Raffles College will be a definite step in the direction of creating a supply of trained and qualified teachers drawn from the pupils educated in our own schools.

44. *Buildings.*—The general financial position of the Colony prevented the Government taking in hand many of the larger items on the building programme of the Education Department. It had been intended to erect the following important English school buildings in the near future:—an Elementary English School at Geylang, Singapore, an Elementary English School at Perak Road, Penang, a Secondary English School at Green Lane, Penang, a hostel for Malay boys at Penang, a new High School at Malacca, besides quarters for European Masters at Singapore and Penang and alterations to Raffles Institution and Raffles Girls' School, Singapore. Out of this programme a start was made with a block of flats for European teachers in Singapore, and towards the end of the year provision was authorised to be made in 1922 for two temporary buildings for use as Elementary English Schools at Singapore and Penang respectively. The accommodation in all the English Schools in the Colony, both Government and Aided, is taxed to the utmost, and both in Singapore and in Penang a number of boys had to be refused admission to the schools owing to the lack of space; additional buildings are required not merely to accommodate these boys, but also to ease the overcrowding which has perforce been allowed in several of the existing schools in the effort to keep pace with the demands for admission.

45. *Raffles College.*—Dr. WINSTEDT was on the 1st June seconded as Acting Principal of the College to undertake the preliminary organization necessary for bringing the College into being. A Bill was drafted, to constitute a Finance Committee and an Executive Committee with powers to administer the funds and to obtain plans and let contracts for the necessary buildings. A fine site in the Economic Gardens between Cluny Road and Dalvey Road in Singapore has been set aside by the Straits Settlements Government, and it is to be hoped that before long tangible evidence will not be lacking that the College is not a project but an actuality.

46. *Grants-in-Aid.*—The new system of Educational Grants-in-Aid which came into operation from the beginning of 1920 has on the whole worked satisfactorily. The amount of the grants paid was much greater than under the former capitation system, but it must be remembered that all over the world the cost of education has risen far above the pre-war figure. In the latter part of the year His Excellency the Governor and High Commissioner appointed a Committee to enquire into and report on the working of the present system; the report was, however, not completed when the year came to an end.

47. *Agricultural Education.*—Towards the end of the year a scheme of agricultural education under the supervision of the Director of Agriculture and the Agricultural Instructor of that Department was considered. It was arranged that the schools shall be visited by the Director of Agriculture and his Assistants, who are to advise on the suitability of available ground for school gardens, course of education, and to provide a supply of seeds, materials, etc. In Malacca there are already a number of school gardens, and in the other Settlements this branch of education will be introduced as local conditions require and permit.

48. *Medical Inspection.*—In Singapore the medical inspection of school children, previously carried out by Dr. ELDER, was handed over to the Medical Department and arrangements were made not merely for systematizing this important work but also for following it up by free treatment of the majority of the defects disclosed. The provision of facilities for dental and eye treatment is a matter which demands serious consideration, and the shortage of medical officers has so far prevented that continuity in the work which is essential for its complete success. A satisfactory start has nevertheless been made.

In Penang the Senior Health Officer, Dr. SAYERS, carried out a medical inspection of all schools, paying particular attention to the new children who were not in school at the time of the examination conducted by Dr. LISTON in 1920. He reported to the Education Office on matters requiring attention and these were dealt with as far as possible.

In Malacca, the medical inspection of all children in the English schools was carried out by Dr. E. G. WEIR. Out of 1,792 children examined, the following were the number of cases discovered:—

| | | |
|------------------------------------|-----|-----|
| Not vaccinated within last 5 years | ... | 156 |
| Defective eyesight not corrected | ... | 4 |
| Trachoma Cases | ... | 102 |
| Ears, Adenoids | ... | 7 |
| Scabies, ringworms, etc. | ... | 29 |
| Spleen | ... | 4 |
| Bad Teeth | ... | 21 |

49. *Registration of Schools.*—The Registration of Schools and teachers under the Registration of Schools Ordinance was carried out by the Education Department excepting in the case of Chinese Schools which were dealt with by the Chinese Protectorates. The figures supplied up to the end of the year, are:—

| | | |
|---|-----|-----|
| <i>Singapore.</i> —English Schools | ... | 32 |
| Vernacular Schools | ... | 23 |
| Chinese Schools | ... | 91 |
| Chinese Teachers | ... | 254 |
| Teachers other than Chinese | ... | 514 |
| Members of Chinese Committees of management | | 561 |
| <i>Penang.</i> —English Schools | ... | 16 |
| Vernacular Schools | ... | 95 |
| Chinese Schools | ... | 58 |
| Chinese Teachers | ... | 115 |
| Teachers other than Chinese | ... | 470 |
| Members of Chinese Committees of management | | 301 |
| <i>Malacca.</i> —English Schools | ... | 7 |
| Vernacular Schools | ... | 84 |
| Chinese Schools | ... | 12 |
| Chinese Teachers | ... | 30 |
| Teachers other than Chinese | ... | 308 |
| Members of Chinese Committees of management | | 75 |

There was at first some reluctance on the part of Chinese Schools and teachers to register, and an agitation was raised in favour of non-compliance, notwithstanding explicit and reassuring official pronouncements regarding the aims and operation of the Ordinance. Some prosecutions took place in Penang, and the "Singapore General Association of Education", which was instrumental in fomenting the agitation, was dissolved. The agitation then subsided and by the end of the year the registration of all Chinese Schools and teachers in the Colony had been completed. The registration of other schools and teachers is still in progress, and may be expected to be complete at an early date.

50. *Dr. Winstedt*.—I cannot close this Report without referring to the loss sustained by the Department in the transfer of Dr. WINSTEDT as Principal of the Raffles College. During the six years of his connection with the Education Department, first as Assistant Director and later as Acting Director, it is not an exaggeration to say that Malay Vernacular Education has been revolutionised. Himself an acknowledged master of the Malay language and literature, he devoted himself to the task of improving the system of training Malay School Teachers and the curriculum in the Malay Schools. Notable results have already been achieved and it is certain that the rising generation of Malays will display a rapidly advancing efficiency due in great measure to the sound foundations on which their educational system is built.

E. C. H. WOLFF,
Director of Education,
S. S. and F. M. S

[No. 3553/22.]

Appendix I.

TABLE OF ENGLISH SCHOOLS AND PUPILS UNDER GOVERNMENT SUPERVISION.

| CLASS OF SCHOOLS. | No. of Schools. | | Average Enrolment. | | Average Attendance. | | Percentage of Attendance. | |
|--------------------------|-----------------|-------|--------------------|--------|---------------------|-------|---------------------------|-------|
| | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| <i>Government Boys.</i> | | | | | | | | |
| Singapore ... | 4 | 4 | 2,124 | 2,353 | 2,006 | 2,253 | 94 | 96 |
| Penang ... | 1 | 1 | 893 | 1,056 | 843 | 1,009 | 94 | 95 |
| Malacca ... | 2 | 2 | 553 | 565 | 540 | 554 | 98 | 98 |
| Labuan ... | 1 | 1 | 46 | 60 | 42 | 55 | 91 | 92 |
| Total ... | 8 | 8 | 3,616 | 4,034 | 3,431 | 3,871 | 94 | 95 |
| <i>Government Girls.</i> | | | | | | | | |
| Singapore ... | 1 | 1 | 321 | 317 | 284 | 280 | 88 | 88 |
| Penang ... | 1 | 1 | 306 | 278 | 268 | 254 | 88 | 91 |
| Malacca ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Labuan ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 2 | 2 | 627 | 595 | 552 | 534 | 88 | 89·5 |
| <i>Aided Boys.</i> | | | | | | | | |
| Singapore ... | 9 | 9 | 5,245 | 5,716 | 4,990 | 5,233 | 95 | 92 |
| Penang ... | 11 | 10 | 3,683 | 3,802 | 3,378 | 3,565 | 92 | 94 |
| Malacca ... | 2 | 2 | 633 | 690 | 588 | 636 | 93 | 92 |
| Labuan ... | ... | ... | ... | ... | .. | ... | ... | ... |
| Total ... | 22 | 21 | 9,561 | 10,208 | 8,956 | 9,434 | 93·3 | 92·7 |
| <i>Aided Girls.</i> | | | | | | | | |
| Singapore ... | 5 | 5 | 2,030 | 2,116 | 1,822 | 1,956 | 90 | 92 |
| Penang ... | 2 | 2 | 1,123 | 1,090 | 1,009 | 1,002 | 90 | 92 |
| Malacca * | 3 | 3 | 545 | 517 | 508 | 471 | 93 | 91 |
| Labuan ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 10 | 10 | 3,698 | 3,723 | 3,339 | 3,429 | 91 | 91·7 |

* There were 107 small boys attending the girls' schools.

Appendix II.

ENROLMENT AND ATTENDANCE AT ENGLISH SCHOOLS.

| SETTLEMENT. | Average Enrolment. | | Average Attendance. | | Percentage of Attendance. | |
|------------------------|--------------------|--------|---------------------|--------|---------------------------|-------|
| | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| <i>Boys Schools.</i> | | | | | | |
| Singapore ... | 7,369 | 8,069 | 6,996 | 7,486 | 95 | 94 |
| Penang ... | 4,576 | 4,859 | 4,221 | 4,574 | 92 | 94 |
| Malacca ... | 1,186 | 1,255 | 1,128 | 1,190 | 95 | 95 |
| Labuan ... | 46 | 60 | 42 | 55 | 91 | 92 |
| Total ... | 13,177 | 14,243 | 12,387 | 13,305 | 93 | 93·8 |
| <i>Girls' Schools.</i> | | | | | | |
| Singapore ... | 2,351 | 2,433 | 2,106 | 2,236 | 89 | 90 |
| Penang ... | 1,429 | 1,368 | 1,277 | 1,256 | 89 | 92 |
| Malacca ... | 545 | 517 | 508 | 471 | 93 | 91 |
| Labuan ... | ... | ... | ... | ... | ... | ... |
| Total ... | 4,325 | 4,318 | 3,891 | 3,963 | 91 | 91 |

Appendix III.

NATIONALITY OF PUPILS IN ENGLISH SCHOOLS.

| NATIONALITY. | Singapore. | | Penang. | | Malacca. | | Labuan. | | Total S. S. | |
|-----------------------------|------------|--------|---------|--------|----------|--------|---------|--------|-------------|--------|
| | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. |
| Europeans and Eurasians ... | 762 | 713 | 263 | 312 | 210 | 224 | 1 | ... | 1,236 | 1,249 |
| Malays ... | 467 | 7 | 441 | 3 | 206 | 8 | 12 | ... | 1,126 | 18 |
| Chinese ... | 5,805 | 1,318 | 3,429 | 920 | 747 | 269 | 41 | ... | 10,022 | 2,507 |
| Indians ... | 451 | 78 | 542 | 67 | 69 | 21 | 1 | ... | 1,063 | 166 |
| Others ... | 176 | 71 | 143 | 16 | 11 | 1 | 7 | ... | 337 | 88 |
| Total ... | 7,661 | 2,187 | 4,818 | 1,318 | 1,243 | 523 | 62 | ... | 13,784 | 4,028 |

Appendix IV.

NATIONALITY OF TEACHERS IN ENGLISH SCHOOLS.

| NATIONALITY. | Singapore. | | Penang. | | Malacca. | | Labuan. * | | Total S. S. | |
|--------------|------------|--------|---------|--------|----------|--------|-----------|--------|-------------|--------|
| | Men. | Women. | Men. | Women. | Men. | Women. | Men. | Women. | Men. | Women. |
| British | 18 | 28 | 15 | 13 | 4 | 4 | ... | ... | 37 | 45 |
| French | 3 | 4 | 5 | 2 | 3 | 1 | ... | ... | 11 | 7 |
| Portuguese | ... | ... | ... | ... | 1 | 3 | ... | ... | 1 | 3 |
| American | 2 | 11 | 6 | 2 | ... | 2 | ... | ... | 8 | 15 |
| Eurasians | 26 | 114 | 21 | 29 | 11 | 17 | 1 | 1 | 59 | 161 |
| Malays | 4 | ... | 16 | ... | ... | ... | ... | ... | 20 | ... |
| Chinese | 29 | 19 | 73 | 10 | 11 | 2 | 1 | ... | 114 | 31 |
| Indians | 82 | 12 | 35 | 1 | 14 | 1 | ... | ... | 131 | 14 |
| Others | 3 | 5 | 4 | .. | 1 | ... | ... | ... | 8 | 5 |
| Total | 167 | 193 | 175 | 57 | 45 | 30 | 2 | 1 | 389 | 281 |

Appendix V.

NUMBER OF ENGLISH SCHOOLS WITH CADET CORPS
OR BOY SCOUTS TROOPS, ETC.

| SETTLEMENT. | Cadet Corps. | Boy Scouts. | Manual Training (other than Kindergarten). | Staff Library. | School Library. |
|-------------|--------------|-------------|--|----------------|-----------------|
| Singapore | ... | * 4 | 5 | 8 | 10 |
| Penang | 3 | 3 | ... | 5 | 3 |
| Malacca | 1 | ... | ... | ... | 2 |
| Labuan | ... | ... | ... | ... | ... |
| Total | 4 | 7 | 5 | 13 | 15 |

* 2 Girl Guides.

Appendix VI.

QUALIFICATIONS OF ENGLISH TEACHERS IN GOVERNMENT
AND AIDED SCHOOLS.

| | | Seniors. | Senior Normal and Senior Cambridge. | Senior Cambridge Training Class (Women). | Senior Normal Certificate only. | Senior Cambridge Certificate only. | No Certificates. | Total. |
|--------------------|-----|----------|--|--|------------------------------------|---------------------------------------|------------------|--------|
| | | | I. | II. | III. | IV. | V. | |
| <i>Government.</i> | | | | | | | | |
| Singapore... | ... | 13 | 32 | 30 | 15 | 2 | 12 | 104 |
| Penang ... | ... | 13 | 12 | 4 | 9 | 10 | 3 | 51 |
| Malacca ... | ... | 2 | 10 | 1 | 6 | 1 | 3 | 23 |
| Labuan ... | ... | ... | 1 | ... | ... | ... | 2 | 3 |
| Total ... | | 28 | 55 | 35 | 30 | 13 | 20 | 181 |
| <i>Aided.</i> | | | | | | | | |
| Singapore ... | ... | 56 | 38 | 23 | 26 | 36 | 77 | 256 |
| Penang ... | ... | 34 | 26 | 11 | 26 | 32 | 48 | 177 |
| Malacca ... | ... | 18 | 3 | ... | 6 | 2 | 23 | 52 |
| Labuan ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | | 108 | 67 | 34 | 58 | 70 | 148 | 485 |

Appendix VII.

ACCOMMODATION AT THE GOVERNMENT ENGLISH SCHOOLS.

| Governing Body. | Schools. | No. of pupils at 18 sq. feet. | No. of pupils actually accommodated. |
|--------------------|--------------------------|----------------------------------|--|
| <i>Government.</i> | | | |
| Singapore ... | Raffles' Institution ... | 440 | 455 |
| | Outram Road ... | 680 | 528 |
| | Victoria Bridge ... | 1,035 | 909 |
| | Pearls Hill ... | 550 | 606 |
| | Raffles' Girls' ... | 374 | 328 |
| Penang ... | Free School ... | 946 | 1,108 |
| | Government Girls' ... | 310 | 290 |
| Malacca ... | High School ... | 707 | 440 |
| | Preparatory School ... | 170 | 118 |
| Labuan ... | English School ... | ... | 62 |
| Total ... | | 5,212 | 4,844 |

Appendix VIII.

ACCOMMODATION IN AIDED ENGLISH SCHOOLS.

| Governing Body. | Schools. | No. of pupils at 18 sq. feet. | No. of pupils actually ac- commodated. |
|----------------------------------|---------------------------------|----------------------------------|--|
| <i>Roman Catholic.</i> | | | |
| Singapore | St. Joseph's Institution | 1,440 | 1,580 |
| | Convent | 800 | 767 |
| | Holy Innocent's English | 135 | 58 |
| Penang | St. Xavier's Institution | 1,133 | 1,455 |
| | Convent | 954 | 668 |
| | Pulau Tikus | 112 | 130 |
| Malacca | St. Francis' Institution | 398 | 525 |
| | Convent | 571 | 318 |
| Total 8 Schools | | 5,543 | 5,501 |
| <i>Methodist Episcopal.</i> | | | |
| Singapore | Anglo-Chinese School | 1,810 | 1,795 |
| | Serangoon English School | 436 | 426 |
| | Gaylang English School | 272 | 269 |
| | Paya Lebar English School | 200 | 150 |
| | Methodist Girls' School | 320 | 494 |
| Penang | Fairfield Girls' School | 380 | 405 |
| | Anglo-Chinese School | 1,781 | 1,514 |
| | Anglo-Tamil, Dato Kramat | 110 | 141 |
| | Anglo-Chinese, Bukit Mertajam | 123 | 138 |
| | Anglo-Chinese, Nibong Tebal | 133 | 169 |
| Malacca | Anglo-Chinese Girls' School | 275 | 279 |
| | Anglo-Chinese School | 124 | 160 |
| | Suydam Girls' School | 106 | 83 |
| Total 13 Schools | | 6,070 | 6,023 |
| <i>Portuguese Catholic.</i> | | | |
| Singapore | St. Anthony's Boys' School | 495 | 492 |
| | St. Anthony's Girls' School | 350 | 250 |
| Malacca | Portuguese Convent | 166 | 122 |
| Total 3 Schools | | 1,011 | 864 |
| <i>Church of England.</i> | | | |
| Singapore | St. Andrew's School | 630 | 639 |
| Penang | Prai S. P. G. School | 80 | 67 |
| | Bukit Tengah S. P. G. School | 50 | 23 |
| | Butterworth S. P. G. School | 69 | 88 |
| Total 4 Schools | | 829 | 817 |
| <i>Mission Etrangere, Paris.</i> | | | |
| Penang | Balik Pulau English School | 53 | 41 |
| | Penang Road Catholic School | Closed. | |
| <i>Undenominational.</i> | | | |
| Singapore | Anglo-Chinese Free School | 640 | 546 |
| | Singapore Chinese Girls' School | 290 | 245 |
| Total 2 Schools | | 930 | 791 |
| Grand Total 31 Schools | | 14,436 | 14,037 |

Appendix IX.

DETAILS OF STAFFS AND GRANTS IN AIDED SCHOOLS.

| Mission. | Schools. | Mission-ary. | Lay. | Average Enrolment. | Average Attendance. | Grant for 1921. | Average cost per head to Govt. |
|-----------------------------------|--|--------------|------|--------------------|---------------------|-----------------|--------------------------------|
| <i>Roman Catholic.</i> | | | | | | \$ c. | c. |
| Singapore ... | St. Joseph's Institution ... | 10 | 31 | 1,366 | 1,278 | 50,710 31 | 39 68 |
| | Convent ... | 15 | 11 | 687 | 616 | 26,619 05 | 43 21 |
| | Holy Innocent's English ... | ... | 1 | 58 | 56 | 1,125 31 | 20 09 |
| | Holy Innocent's Chinese Boys' ... | 1 | ... | 31 | 27 | 168 75 | 6 25 |
| Penang ... | Holy Innocent's Chinese Girls' ... | 1 | ... | 48 | 36 | 225 00 | 6 25 |
| | St. Xavier's Institution ... | 12 | 31 | 1,419 | 1,336 | 74,624 28 | 55 86 |
| | Pulau Tikus School ... | 1 | 3 | 121 | 114 | 5,734 15 | 50 30 |
| | Convent ... | 12 | 15 | 797 | 729 | 24,869 45 | 34 11 |
| Malacca ... | St. Francis' Institution ... | 5 | 14 | 533 | 494 | 30,225 78 | 61 19 |
| | Convent ... | 7 | 8 | 318 | 283 | 15,516 35 | 54 83 |
| | Total 10 Schools ... | 64 | 114 | 5,378 | 4,969 | 229,818 43 | 37 18 |
| <i>Methodist Episcopal.</i> | | | | | | \$ c. | \$ c. |
| Singapore ... | Anglo-Chinese School ... | 5 | 56 | 1,795 | 1,678 | 56,398 57 | 33 61 |
| | Serangoon English School ... | ... | 12 | 378 | 361 | 6,317 08 | 17 50 |
| | Gaylang English School ... | ... | 8 | 244 | 227 | 7,138 42 | 31 45 |
| | Paya Lebar English School ... | ... | 3 | 105 | 100 | 1,207 29 | 12 07 |
| | Methodist Girls' School ... | 4 | 15 | 453 | 414 | 15,408 53 | 37 22 |
| | Fairfield Girls' School ... | 3 | 11 | 394 | 361 | 10,075 13 | 27 91 |
| | Dunlop Street Malay Girls' Sch. ... | ... | ... | ... | Closed. | ... | ... |
| Penang ... | Kallang Malay Girls' School ... | ... | ... | ... | Do. | ... | ... |
| | Anglo-Chinese School ... | 6 | 52 | 1,582 | 1,504 | 66,402 90 | 44 15 |
| | Anglo-Tamil, Dato Kramat Road ... | ... | 6 | 136 | 125 | 3,755 70 | 30 05 |
| | Anglo-Chinese School, Bukit Mertajam ... | ... | 7 | 163 | 151 | 3,514 25 | 23 27 |
| | Anglo-Chinese School, Nibong Tebal ... | ... | 7 | 155 | 138 | 3,225 48 | 23 27 |
| Malacca ... | Anglo-Chinese Girls' School ... | 2 | 14 | 293 | 273 | 17,141 97 | 62 79 |
| | Anglo-Chinese School ... | ... | 7 | 157 | 142 | 4,683 40 | 33 00 |
| | Suydam Girls' School ... | 2 | 3 | 83 | 75 | 5,114 96 | 68 20 |
| | Total 13 Schools ... | 22 | 201 | 5,938 | 5,549 | 200,383 68 | 34 19 |
| <i>Portuguese Catholic.</i> | | | | | | \$ c. | \$ c. |
| Singapore ... | St. Anthony's Boys' School ... | 1 | 11 | 549 | 427 | 11,135 25 | 26 08 |
| | St. Anthony's Girls' School ... | 4 | 3 | 211 | 205 | 7,143 51 | 34 85 |
| Malacca ... | Portuguese Convent ... | 4 | 2 | 116 | 113 | 6,280 50 | 55 58 |
| | Total 3 Schools ... | 9 | 16 | 876 | 745 | 24,559 26 | 38 84 |
| <i>Church of England.</i> | | | | | | \$ c. | \$ c. |
| Singapore ... | St. Andrew's School ... | 5 | 8 | 632 | 593 | 41,593 51 | 70 14 |
| | Prai S. P. G. School ... | ... | 3 | 61 | 51 | 1,725 36 | 33 83 |
| Penang ... | Bukit Tengah S. P. G. School ... | ... | 1 | 27 | 23 | 960 75 | 41 77 |
| | Butterworth S. P. G. School ... | ... | 3 | 88 | 76 | 896 86 | 11 80 |
| | Total 4 Schools ... | 5 | 15 | 808 | 743 | 45,176 48 | 39 33 |
| <i>Mission Etrangeres, Paris.</i> | | | | | | \$ c. | \$ c. |
| Penang ... | Balik Pulau English School ... | ... | 2 | 50 | 47 | 1,247 68 | 26 55 |
| | Do. Chinese School ... | ... | ... | 59 | 56 | 484 50 | 8 65 |
| | Do. Malay School ... | ... | ... | 43 | 41 | 363 30 | 8 86 |
| | Catholic English School, Penang Road ... | ... | ... | ... | Closed. | ... | ... |
| | St. Anthony's Tamil School ... | ... | ... | 29 | 24 | 150 00 | 6 25 |
| | Total 4 Schools ... | ... | 2 | 181 | 168 | 2,245 48 | 12 58 |
| <i>Mission Institution.</i> | | | | | | \$ c. | \$ c. |
| Province Wellesley ... | Prai Estate School ... | ... | ... | 29 | 21 | 160 05 | 7 62 |
| | Batu Kawan Estate ... | ... | ... | 49 | 35 | 273 45 | 7 81 |
| | Caledonia Estate ... | ... | ... | 48 | 36 | 172 50 | 4 79 |
| | Total 3 Schools ... | ... | ... | 126 | 92 | 606 00 | 6 74 |
| <i>Undenominational.</i> | | | | | | \$ c. | \$ c. |
| Singapore ... | Anglo-Chinese Free School ... | ... | 18 | 589 | 513 | 21,154 60 | 41 24 |
| | Chinese Girls' School ... | ... | 11 | 371 | 359 | 7,347 73 | 20 47 |
| | Anglo-Tamil School ... | ... | 2 | 27 | 23 | 143 75 | 6 25 |
| | Total 3 Schools ... | ... | 31 | 987 | 895 | 28,646 08 | 22 65 |

Appendix X.

CLASSIFICATION OF PUPILS ON THE AVERAGE ENROLMENT
IN DIFFERENT DEPARTMENTS.

| — | Primary. | Lower Ele- mentary. | Higher Ele- mentary. | Secondary. | Total |
|---------------|----------|------------------------|-------------------------|------------|--------|
| Singapore ... | 3,144 | 5,014 | 1,877 | 467 | 10,502 |
| Penang ... | 1,397 | 2,850 | 1,506 | 473 | 6,226 |
| Malacca ... | 535 | 816 | 369 | 51 | 1,771 |
| Labuan ... | 30 | 25 | 7 | ... | 62 |
| Total ... | 5,106 | 8,705 | 3,759 | 991 | 18,561 |

Appendix XI.

NATIONALITY OF PUPILS IN ENGLISH SCHOOLS.

| | | | | 1920. | | 1921. | |
|-------------------------|-----|-----|-----|--------|--------|--------|--------|
| | | | | Boys. | Girls. | Boys. | Girls. |
| Chinese ... | ... | ... | ... | 8,994 | 1,458 | 10,022 | 2,507 |
| Indians ... | ... | ... | ... | 998 | 175 | 1,063 | 166 |
| Malays ... | ... | ... | ... | 1,057 | 23 | 1,126 | 18 |
| Europeans and Eurasians | ... | ... | ... | 1,250 | 1,372 | 1,236 | 1,249 |
| Others ... | ... | ... | ... | 115 | 112 | 337 | 88 |
| Total ... | | | | 12,414 | 3,140 | 13,784 | 4,028 |

Appendix XII.

STAFF OF GOVERNMENT MALAY SCHOOLS.

| — | Singapore. | Penang. | Malacca. | Total. |
|------------------------------------|------------|---------|----------|--------|
| <i>Boys' Schools.—</i> | | | | |
| Visiting Teachers ... | 1 | ... | ... | 1 |
| Group „ ... | 4 | 9 | 8 | 21 |
| Trained „ ... | 9 | 52 | 61 | 122 |
| Untrained „ ... | 15 | 15 | 5 | 35 |
| Trained Asst. Teachers ... | 15 | 72 | 46 | 133 |
| Untrained „ „ ... | 34 | 62 | 58 | 154 |
| Pupil Teachers ... | ... | 33 | 39 | 72 |
| Basketry Supervisors ... | ... | ... | 2 | 2 |
| <i>Girls Schools.—</i> | | | | |
| Teachers ... | 3 | 18 | 6 | 27 |
| Asst. Teachers ... | 1 | 14 | 8 | 23 |
| Pupil Teachers ... | ... | ... | ... | ... |
| Grand Total ... | 82 | 275 | 233 | 590 |
| Average No. of pupils enrolled ... | 1,618 | 7,135 | 5,302 | 14,055 |

Appendix XIII.

TABLE OF MALAY SCHOOLS AND PUPILS.

| | | No. of Schools. | | Average Enrolment. | | Average Attendance. | | Percentage of Attendance. | |
|--------------------|-----|--------------------|-------|-----------------------|--------|------------------------|--------|------------------------------|-------|
| | | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| <i>Singapore.—</i> | | | | | | | | | |
| Boys | ... | 17 | 17 | 1,499 | 1,544 | 1,310 | 1,358 | 87·4 | 88·0 |
| Girls | ... | 5 | 3 | 107 | 74 | 93 | 65 | 86·9 | 88·0 |
| <i>Labuan.—</i> | | | | | | | | | |
| Boys | ... | ... | 1 | ... | 45 | ... | 40 | ... | 89·0 |
| <i>Penang.—</i> | | | | | | | | | |
| Boys | ... | 77 | 76 | 5,704 | 6,417 | 4,918 | 5,502 | 87·0 | 86·0 |
| Girls | ... | 16 | 18 | 639 | 718 | 517 | 602 | 89·0 | 84·0 |
| <i>Malacca.—</i> | | | | | | | | | |
| Boys | ... | 67 | 67 | 4,773 | 5,051 | 4,434 | 4,761 | 92·9 | 94·0 |
| Girls | ... | 13 | 13 | 257 | 251 | 230 | 227 | 89·5 | 90·0 |
| Total | ... | 195 | 195 | 12,979 | 14,100 | 11,502 | 12,555 | 88·8 | 88·4 |

Appendix XIV.

GRADING OF THE MALAY SCHOOLS.

| | SINGAPORE. | | PENANG. | | MALACCA. | | TOTAL. | |
|--------------------|------------|--------|---------|--------|----------|--------|--------|--------|
| | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. |
| Excellent ... | 2 | 1 | 8 | 3 | ... | ... | 10 | 4 |
| Good ... | 9 | 2 | 47 | 9 | 22 | 4 | 78 | 15 |
| Fair ... | 4 | ... | 18 | 3 | 42 | 8 | 64 | 11 |
| Unsatisfactory ... | 2 | ... | 3 | 1 | 3 | 1 | 8 | 2 |
| Total ... | 17 | 3 | 76 | 16 | 67 | 13 | 160 | 32 |

Appendix XV.

TABLE OF TAMIL SCHOOLS AND PUPILS.

| | SINGAPORE. | | PENANG. | | TOTAL. | |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| | Boys & Girls. | Boys & Girls. | Boys & Girls. | Boys & Girls. | Boys & Girls. | Boys & Girls. |
| Number of Schools ... | 1 | 1 | 4 | 5 | 5 | 6 |
| Average Enrolment ... | 43 | 27 | 138 | 268 | 181 | 295 |
| Average Attendance ... | 35 | 23 | 110 | 221 | 145 | 244 |
| Percentage Attendance | 81 | 85 | 80 | 83 | 81 | 83 |

NOTE.—There are no Tamil Schools in Malacca under the supervision of the Education Department.

PUBLIC WORKS DEPARTMENT.

Report by the Colonial Engineer for the Year 1921.

1. The total expenditure, under all heads of service, was as follows:—

| | | | | \$ | c. |
|-------------------------|-----|-----|-----|-------------|----|
| Singapore | ... | ... | ... | 4,263,422 | 51 |
| Labuan | ... | ... | ... | 39,790 | 08 |
| Malacca | ... | ... | ... | 1,029,066 | 34 |
| Penang and the Dindings | ... | ... | ... | 905,153 | 36 |
| Province Wellesley | ... | ... | ... | 1,023,233 | 58 |
| | | | | <hr/> | |
| Total | | | | \$7,260,665 | 87 |
| | | | | <hr/> | |

2. The expenditure during the last six years has been as follows:—

| | | | | \$ |
|------|-----|-----|-----|-----------|
| 1916 | ... | ... | ... | 1,604,852 |
| 1917 | ... | ... | ... | 1,828,998 |
| 1918 | ... | ... | ... | 2,528,248 |
| 1919 | ... | ... | ... | 3,105,232 |
| 1920 | ... | ... | ... | 4,336,081 |
| 1921 | ... | ... | ... | 7,260,666 |

The feature of the above table is that while it shows progressive increase of expenditure it embraces the lowest figure since 1900 together with the highest ever recorded.

4. The following works costing \$4,000 and over were completed:—

| WORKS. | Vote. | Expenditure. |
|--|-----------|--------------|
| Singapore. | \$ | \$ c. |
| (1) Beacon No. 25—opposite Tanjong Gul—Re-building ... | 4,000 | 4,000 00 |
| (2) Botanical Gardens—Re-building Javanese Coolie Lines ... | * 8,740 | 8,740 00 |
| (3) Goodwood Hill—Making up low-lying areas ... | 5,000 | 4,999 71 |
| (4) Government Hill—Additions to Colonial Secretary's Bungalow ... | 30,700 | 30,398 94 |
| (5) Government Hill—Special Services to Colonial Secretary's Bungalow ... | 15,000 | 14,997 35 |
| (6) Hospital, Tan Tock Seng's—Quarters for Dressers ... | * 19,000 | 12,738 49 |
| (7) Hospital, Tan Tock Seng's—2 Quarters for Junior Assistant Surgeons ... | * 4,800 | 4 800 00 |
| (8) Lighthouse, Sultan Shoal—New fender piles including repairs ... | 5,000 | 5,000 00 |
| (9) Prisons and Prisons Officers' Quarters—Electric Lighting ... | * 21,150 | 21,074 72 |
| (10) Prisons, Civil—Extensions and alterations ... | * 15,500 | 9,507 21 |
| (11) Prisons—Fifteen bathrooms to European Warders' Quarters ... | 15,000 | 13,564 78 |
| (12) Repairs to Mount Rosie ... | 31,357 | 31,354 32 |
| (13) Kandang Kerbau Hospital—Converting Medical Store into Quarters at ... | 12,000 | 9,266 21 |
| (14) Quarantine Station, St. John's Island—Bed boards for 4 wards ... | 6,000 | 5,100 00 |
| (15) Quarantine Station, St. John's Island—Re-building Hospital Attendants' Quarters ... | 10,000 | 6,839 62 |
| (16) Quarantine Station, St. John's Island—Camp fencing ... | * 75,000 | 68,203 90 |
| (17) Quarters, Goodwood—Four ... | * 162,038 | 160,675 01 |
| (18) Quarters for Clerks, Penang Lane ... | * 27,000 | 25,786 20 |
| (19) Quarters for seven clerks, Bukit Timah Road ... | * 68,741 | 48,860 08 |
| (20) Quarters for Lady Medical Officer, Kandang Kerbau... ... | * 35,000 | 34,626 08 |
| (21) Quarters for Sub-warders—Two-storey block ... | * 46,386 | 46,186 15 |
| (22) Quarters for officers of the Clerical and Subordinate Services ... | * 165,735 | 61,396 22 |
| (23) Sea-wall, Tanjong Katong Fort ... | * 25,000 | 24,876 90 |
| (24) Furniture and repairs to Ayer Jerneh ... | 4,500 | 4,499 46 |
| (25) Temporary Building for the Income Tax Department ... | 10,000 | 10,000 00 |
| (26) Magistrates' Courts—Conversion of existing stables and latrines ... | * 8,000 | 7,040 00 |
| (27) Chinese Protectorate—Additional accommodation for women and children ... | * 13,000 | 13,000 00 |
| (28) Temporary Buildings for the use of the Postmaster-General and other Officers—Erection of ... | * 149,875 | 149,814 49 |
| (29) Bungalow at Labrador for the use of the Government Architect—Erection of ... | * 20,000 | 19,690 00 |
| (30) Old Sikh Guard Room in the compound of the abandoned Powder Magazine at Sepoy Lines with quarters for two European Attendants—Conversion of ... | * 9,000 | 6,026 50 |
| (31) Beacon No. 3 on Pulau Bosing—Re-building of ... | * 4,800 | 4,800 00 |
| (32) Hospital, Tan Tock Seng's—New Coolie Lines ... | * 7,072 | 7,072 00 |

* Re-votes.

| WORKS. | | Vote. | Expenditure. |
|-----------------------------|--|------------|--------------|
| Singapore—Continued. | | | |
| | | \$ c. | \$ c. |
| (33) | Land and Houses known as Mount Pleasant including repairs, etc.—Purchase of ... | 505,000 00 | 504,854 95 |
| (34) | Government House—Additions to ... | 27,500 00 | 25,575 01 |
| (35) | Furniture for Government Quarters (S.) ... | 85,000 00 | 75,397 00 |
| (36) | Furniture for Government Offices (S.) ... | 21,700 00 | 11,519 00 |
| Penang. | | | |
| (1) | Leper Asylum, Pulau Jerejak—Main Kitchen and Coolies' Quarters ... | 5,000 00 | 5,000 00 |
| (2) | Police Station, Kwala Sungei Pinang, Balik Pulau—Reconstruction of, including purchase of site ... | 26,000 00 | 4,585 00 |
| (3) | Leper Asylum, Female, Jelutong—Erection of a small ward ... | 5,986 22 | 5,986 22 |
| (4) | Quarantine Camp, Pulau Jerejak—Replacement of sides of wards with walls of reinforced concrete ... | 10,000 00 | 7,275 00 |
| (5) | Reservoir of the Leper Asylum, Pulau Jerejak—Reconstruction of the floor and the enlargement of ... | 20,913 15 | 11,136 95 |
| (6) | Additions and alterations to "Bel Retiro" on Penang Hill ... | 13,000 00 | 6,524 16 |
| (7) | Lake Villa—Filling up the pond in the ground of ... | 4,000 00 | 4,000 00 |
| (8) | Filling up the moat round Fort Cornwallis—Cost of ... | 46,000 00 | 46,000 00 |
| (9) | Forest Station at Segari—Erection of permanent ... | 4,825 00 | 4,825 00 |
| (10) | New Pier, Lumut ... | 35,265 00 | 34,143 00 |
| Province Wellesley. | | | |
| (1) | Police Station, Maklom—Re-roofing barracks and general repairs to Station, etc. ... | 4,000 00 | 4,000 00 |
| (2) | School, Vernacular, at Tassek Jungjong—Erection of Teacher's Quarters including purchase of site ... | 6,700 00 | 6,613 00 |
| (3) | School, Vernacular, at Sungei Rambei—Erection of Teacher's Quarters including purchase of site ... | 7,000 00 | 6,971 00 |
| (4) | Hospital, Butterworth—Erection of Bathrooms, Latrines and Kitchen for Quarantine Camp ... | 7,750 00 | 7,750 00 |
| (5) | Police Station and Barracks, Pulau Kra—Re-building, including purchase of site ... | 8,019 00 | 8,011 00 |
| (6) | Quarters for one Officer at Butterworth ... | 23,777 00 | 23,777 00 |
| (7) | Quarters for two Operators, Penaga Wireless Station—Erection of ... | 14,940 00 | 14,940 00 |
| (8) | Reclamation of Crown Land at Butterworth ... | 44,250 00 | 44,226 00 |
| (9) | School, Vernacular—Erection of two Teachers' Quarters ... | 10,100 00 | 10,060 00 |
| (10) | Retaining wall, Permatang Bindahari ... | 8,662 00 | 8,595 00 |
| (11) | Quarters, P. W. D. Overseer, Jawi ... | 9,000 00 | 8,997 00 |
| (12) | P. W. D. Coolie Lines, Sungei Kreh—Re-building ... | 4,000 00 | 4,000 00 |
| (13) | School and Teacher's Quarters, Bertam ... | 8,100 00 | 8,100 00 |
| (14) | School at Sungei Acheh—Extension of ... | 9,200 00 | 9,200 00 |
| Malacca. | | | |
| (1) | Hospital, Durian Daun—Concrete floors to Wards 1 and 2 ... | 10,000 00 | 7,213 19 |
| (2) | Malacca River—Dredging Channel for Reclamation ... | 23,000 00 | 20,169 96 |

| WORKS. | Vote. | Expenditure. |
|--|-------------|--------------|
| Malacca—Continued. | \$ c. | \$ c. |
| (3) Police Quarters for Inspector at Merlimau .. | 13,000 00 | 6,985 49 |
| (4) Hospital, Durian Daun—Replacing floors of Wards 8 and 9 with reinforced concrete ... | * 7,961 35 | 7,801 45 |
| (5) Police Station Barracks and Outhouses at Tebong Village—Erection of ... | * 16,000 00 | 10,040 00 |
| (6) Post Office, Sub, at Merlimau and Postmen's Quarters—Erection of ... | * 10,000 00 | 3,670 00 |
| (7) School, Vernacular, at Malaka Pindah, Nyalas, Klebang Besar and Bukit Rambei—Reconstruction of ... | * 8,000 00 | 8,000 00 |
| (8) Government Monopolies—Extra Storage accommodation for ... | * 4,397 65 | 4,170 10 |
| Labuan. | | |
| (1) Quarters for Medical Officer ... | 10,000 00 | 9,995 71 |

* Re-votes.

Owing to the change in prices I have omitted from the above table all works costing between \$4,000 and \$2,000 the number of which was 40.

5. Progress was made with the following works estimated to cost \$ 4,000 and over:—

| WORKS. | Vote. | Expenditure |
|---|-----------|-------------|
| Singapore. | \$ | \$ c. |
| (1) Aviation Ground at Balestier Road—Filling in, etc. ... | * 10,714 | 1,569 95 |
| (2) Botanical Gardens—Overhauling Assistant Director's Quarters ... | 8,000 | 3,497 82 |
| (3) Government Monopolies—Godowns for ... | * 180,000 | 83,760 00 |
| (4) Government Offices—Extension of ... | * 162,717 | 130,245 79 |
| (5) Government Offices—New water-borne sewage system to latrines ... | 5,000 | 2,604 55 |
| (6) Havelock Road Reclamation ... | * 71,000 | 57,464 20 |
| (7) Hospital, Tan Tock Seng's—Providing ceiling to eight wards ... | 27,000 | 1,400 00 |
| (8) Master Attendant's Pier—Reinforced concrete covering to piles ... | 5,000 | 3,057 83 |
| (9) Opium Factory, Telok Blangah—Two New Boiling Rooms ... | 125,000 | 18,990 83 |
| (10) Police Station, Central—Renewing Floor of 2nd Floor Barracks in hardwood ... | 5,000 | 1,000 00 |
| (11) Police Station, Kreta Ayer—New Married Quarters ... | * 20,000 | 4,000 00 |
| (12) Police Station, Rumah Miskin—14 Married Quarters ... | * 37,901 | 5,383 61 |

* Re-votes.

| WORKS. | Vote. | Expenditure. |
|--|-----------|--------------|
| Singapore.—Continued. | | |
| | \$ | \$ c |
| (13) Post Office, Sub—Erection of at Corner of Neil Road and Kampong Bahru Road ... | *32,500 | 30,507 38 |
| (14) Quarantine Station, St. John's Island—Poilite Sides to wards in Camps 8-22 ... | 10,500 | 5,190 99 |
| (15) Quarters, Goodwood Plantations—Three ... | 125,000 | 33,224 72 |
| (16) Quarters for Medical Officers, Sepoy Lines—Five ... | 210,000 | 85,033 06 |
| (17) Quarters, Nassim Hill—Thré ... | 160,000 | 15,327 09 |
| (18) Quarters on Nassim Hill Estate—Four ... | 165,000 | 56,461 04 |
| (19) Raffles Institution—Quarters for Principal and Flats for three teachers ... | 159,000 | 9,233 65 |
| (20) School, Victoria Bridge—Quarters for two Care-takers and extension to boundary wall, etc. ... | 18,000 | 7,101 42 |
| (21) School, Vernacular, Pandang Terbakar—Conversion of Teachers' Quarters ... | 13,500 | 4,000 00 |
| (22) Tanjong Katong Fort—Demolishing and filling up moat ... | * 64,239 | 24,633 86 |
| (23) Terrace houses at Tanjong Katong ... | * 310,000 | 309,939 29 |
| (24) Quarters for Chief Inspector of Police, Pearls Hill ... | * 40,000 | 34,825 73 |
| (25) Dispensaries, five—Construction of ... | * 73,400 | 12,718 57 |
| (26) Crown Land at Lorong 27A, Geylang—Improvement to ... | * 16,600 | 5,711 61 |
| (27) Hospital, General—New ... | * 500,000 | 232,083 75 |
| (28) Post Office and Government Buildings—New ... | * 500,000 | 33,200 93 |
| (29) Cross Street Shop and Model Tenements ... | * 500,000 | 312,298 09 |
| (30) National War Memorial—Erection of ... | 125,000 | 45,903 00 |
| Penang. | | |
| (1) Chief Medical Officer's Office—Strong Room ... | 6,500 | 103 75 |
| (2) Hospital, General—Additions and Improvements to ... | 350,000 | 88,539 61 |
| (3) Lighthouse—Aga light on Pulau Tikus ... | 15,000 | 12,012 05 |
| (4) Police Station, Hutton Lane—Two married quarters for Corporal and Lance-Corporal ... | 5,000 | 500 00 |
| (5) Post Office—Telephone Exchange ... | 100,000 | 7,772 24 |
| (6) Police Station Barracks—New, etc., at Sungei Nibong ... | 22,440 | 3,058 00 |
| (7) Quarters for Clerks ... | 71,000 | 26,987 76 |
| (8) Land at Patani Road, Penang—Reclaiming of the ... | 30,000 | 13,360 19 |
| (9) Hospital, Lumut—Quarters for one Assistant Surgeon ... | 12,000 | 500 00 |
| (10) Hospital, Lumut—Quarters for one Dresser ... | 5,000 | 109 22 |
| (11) Lighthouse, Tanjong Hantu—Retaining wall on north side of Quarters and outhouses ... | 5,000 | 2,242 55 |
| (12) Rest House at Lumut ... | 25,000 | 4,984 00 |
| Province Wellesley. | | |
| (1) Hospital, Butterworth—Operating Room ... | 16,000 | 7,104 00 |
| (2) Quarters for four Telephone Operators, Simpang Ampat—Erection of ... | 13,000 | 9,690 00 |
| (3) Quarters for an Assistant District Officer at Butterworth—Erection of ... | 36,000 | 30,214 00 |

* Re-votes.

| WORKS. | Vote. | Expenditure. |
|---|------------|--------------|
| Province Wellesley.—Continued. | | |
| | \$ c. | \$ c. |
| (4) School, Vernacular, at Goa Perahau—Erection of, including Teacher's Quarters | 27,200 00 | 10,000 00 |
| (5) Cattle Quarantine Station, Butterworth—New Isolation Shed, fencing and walls | 32,500 00 | 29,417 00 |
| (6) Bridge across Muda River | 40,234 00 | 36,376 00 |
| (7) New Roads, Southern Division | 35,000 00 | 31,765 00 |
| (8) Improvement of Main Roads | 200,000 00 | 195,633 00 |
| (9) Water Supply, Prai and Butterworth | 192,024 00 | 104,628 00 |
| Malacca. | | |
| (1) Hospital, Durian Daun—Quarters for Staff and other Special Services including Furniture ... | 75,400 00 | 2,001 12 |
| (2) Quarters for an Assistant Engineer at Alor Gajah ... | 30,000 00 | 9,362 80 |
| (3) Quarantine Station for Animals | 33,476 21 | 21,305 91 |
| (4) School, Vernacular, at Durian Daun including Purchase of Site | 9,500 00 | 2,877 85 |
| (5) Water Works, Malacca Town—Investigation in connection with Proposed New Supply ... | 4,500 00 | 947 12 |
| Labuan. | | |
| (1) Water Service for Hospital | 4,500 00 | 1,551 41 |

For the reason given in the last paragraph, works estimated to cost between \$4,000 and \$2,000 are omitted to the number of 5.

Roads.

6. The length of roads improved and maintained in each Settlement and in the Colony, with the cost incurred and the expenditure per mile, was as follows:—

| SETTLEMENT. | EXTRAORDINARY EXPENDITURE. | | | RECURRENT EXPENDITURE. | | | | | REMARKS. | |
|------------------------|--|------------------|------------------------|--------------------------------------|--------------------------|---------|---------------------------------|---------------------------------------|----------|----------------------------|
| | Length of Roads metalled and re-metalled in miles. | Amount expended. | Average cost per mile. | Length of Roads maintained in miles. | | | Amount expended in maintenance. | Average cost of maintenance per mile. | | |
| | | | | Metalled. | Gravelled and Hill path. | Natural | | | | Total. |
| | | | | | | | | | | |
| Singapore ... | 3'58 | 57,772 05 | 16,139 44 | 97'38 | ... | 2'86 | 100'24 | 149,993 69 | 1,496 34 | Coral surface and natural. |
| Labuan ... | ... | ... | ... | 4'50 | ... | 24'50 | 29'00 | 4,398 23 | 151 63 | |
| Malacca ... | 11'37 | 465,925 73 | 40,978 52 | 226'80 | 37'25 | 27'00 | 291'05 | 213,938 44 | 735 06 | |
| Penang ... | 2'50 | 13,141 50 | 5,256 60 | 64'63 | a 36'14 | 6'28 | 107'05 | 105,435 45 | 1,056 36 | |
| Dindings ... | 4'03 | 26,390 34 | 6,548 47 | 6'00 | b 23'50 | 7'50 | 37'00 | 16,210 23 | 438 11 | |
| Province Wellesley ... | 3'00 | 150,496 94 | 50,165 65 | 167'19 | c '18 | 32'58 | 199'95 | 204,994 07 | 1,025 22 | |
| Totals ... | 24'48 | 713,726 56 | 119,088 68 | 566'50 | 97'07 | 100'72 | 764'29 | 694,970 11 | 4,902 72 | |

(a) Includes 36'14 miles of hill paths.

(b) Includes 23'5 miles of hill paths.

(c) Includes 18 mile of hill path.

Road Improvements.

7. **Singapore.**—A length of 1.51 miles of Jurong Road was metalled.

Portions of Pasir Panjang, East Coast and Tampinis Roads were converted from laterite into granite, making a total of 1.84 miles.

The improvement at $8\frac{1}{2}$ mile, Bukit Timah Road, was completed and the whole length .42 mile metalled with granite and asphalted.

Portions of Ulu Pandan, Kranji and Reformatory Roads were raised above flood level and the length of $\frac{3}{4}$ of a mile spawled and metalled.

The flooded portion of West Coast Road between the $8\frac{1}{4}$ and $8\frac{3}{4}$ mile was raised, bottomed with granite spawls, and partially metalled with granite. The length treated was .23 mile.

The road at Geylang Village was widened and the portion spawled and metalled and a retaining wall built, 450 feet in length.

Asphalting to the extent of 7.75 miles was carried out on Serangoon, Tampinis, Changi, East Coast, Kranji, Bukit Timah and Pasir Panjang Roads; Patching was carried out to the asphalted carpet on Thomson Road and Buona Vista Road.

A length of nearly two miles of road round the Government Buildings at Sepoy Lines, Pearls Hill and the Government Offices was re-metalled with laterite.

The main roads in the Botanical Gardens and Edinburgh Road, a length of 2.60 miles was also re-metalled and gravelled.

The main road on Goodwood Hill was repaired and re-asphalted.

Penang and the Dindings.—A length of $2\frac{1}{2}$ miles was re-metalled in Penang and a retaining wall constructed at the 6th milestone at Tanjong Bungah.

In the Dindings 4 miles were re-metalled.

Province Wellesley.—The earthwork of the second two miles of the new road connecting the South of the Province with the Kedah frontier was completed and metalled for a distance of 1,808 feet.

Under the scheme for the Improvement of Main Roads, the following works were carried out:—

The reconstruction of the road from Kapala Batas to Dusan Lada was continued throughout the year, the length of road completed being 70 lines.

The road from Coffee Shop to Jalan Bahru was metalled for a distance of 60 lines.

The earthwork was completed for a distance of 100 lines of the road from Telok Ayer Tawar to Kapala Batas.

Land was acquired for the first length of Improvement of the Road from Butterworth to Permatang Pauh and clearing of the mangrove swamp in preparation for widening was commenced.

The approach road to the Bridge across the Muda River was metalled for a distance of eight lines.

Asphalting and tarring to the extent of six miles was carried out on Simpang Ampat, Butterworth to Penaga and Butterworth to Permatang Pauh Roads.

The dangerous corner at Permatang Pauh was improved and 102 feet of retaining wall (13 feet high) was built at Permatang Bindahari.

Malacca.—The improvement of main roads was continued, a total length of 11.37 miles being reconstructed in granite between the following points:—

11 $\frac{1}{4}$ and 15 $\frac{3}{4}$ milestones, Alor Gajah Road.

16th milestone to Merlimau Village.

2 $\frac{1}{4}$ and 3 $\frac{3}{4}$ milestones, Batu Berendam Road.

7 $\frac{7}{8}$ and 9 milestones, Alor Gajah Road.

Labuan.—Further re-surfacing was done in Beach Street.

Bridges and Culverts.

8. **Singapore.**—The culvert at the corner of Pasir Panjang Road and Buona Vista Road was extended. A new culvert was built in connection with the improvement of the junction of Tampinis and Changi Roads. One culvert on the Reformatory Road was raised and provided with a new reinforced concrete decking. A culvert was rebuilt at the 11 $\frac{3}{4}$ mile Kranji Road.

Penang.—The decking of one 7 feet culvert at Paya Terubong was replaced by one of ferro-concrete and two concrete culverts at Tanjong Tokong and one wooden one at Batu Mau were repaired.

Bridge in Mereweather Road, Lumut, reconstructed.

The Sungei Rotan Bridge, Dindings, was reconstructed and widened. Eight Armco culverts were constructed under the Segari Road and four concrete culverts replaced wooden construction on the Sungei Rotan Road.

The jetty at Pengkalan Bahru was completed.

Province Wellesley.—The Bridge across the Muda River was completed and opened to traffic on February 1st, 1922. Two culverts on the Jawi new road were constructed in reinforced concrete. Five Armco culverts were put in on the Lahar Bubo Road. The decking of a wooden culvert on the Sungei Dua Road was renewed in reinforced concrete.

Malacca.—One Bridge Platform was reconstructed at 10 $\frac{3}{4}$ mile, Kandang Merlimau Road. Extensive repairs were carried out to Sungei Rambei Bridge, both the Johore and Malacca portions being done by this Department at a total cost of \$5,121.67. The repairs will with ordinary maintenance carry on for 3 or 4 years. Fourteen plank culverts were replaced by reinforced concrete culverts on the Durian Tunggal-Tebong Roads.

One 20 feet span reinforced concrete Bridge on Tanjong Minyak Road was completed.

One 8 feet span culvert was reconstructed with reinforced concrete at 7 $\frac{3}{4}$ milestone, Alor Gajah Road.

One 8 feet span culvert at 7 $\frac{3}{4}$ milestone, Ayer Kroh Road, was re-decked in reinforced concrete and 11 culverts ranging in span from 2 feet to 4 feet were reconstructed in concrete on the Pringgit, Klebang, Ayer Kroh, Sungei Baru, Kuala Sungei Baru, Ramuan China and Alor Gajah Roads.

Water Works.

9. **Singapore.**—A new main was laid from Cavanagh Road to the Colonial Secretary's Bungalow and the pumping main from the Municipal Pumping Station to Government House was taken up and replaced with new pipes. Various extensions and renewals were carried out to the mains and services supplying the General Hospital.

Penang.—The enlargement of the Reservoir at Pulau Jerejak Leper Asylum was completed and the reservoirs at Balik Pulau and Dindings maintained in good order.

Province Wellesley.—The Bukit Serayah and Bukit Panchor Reservoirs were maintained in good order.

Most of the pipes required for improvement of the water supply to Prai and Butterworth have been delivered.

Labuan.—Necessary repairs were undertaken.

Additional sources of supply are being investigated.

Irrigation and Drainage Channels.

10. **Singapore.**—The feeders of the Kallang River between Serangoon and 6½ mile Thomson Road were cleared and freed from obstructions.

New outlet channels were excavated and the existing ones cleared at the 15th mile Jurong Road to the extent of nearly ¾ of a mile.

The various streams leading from Geylang Terminus and 5th mile Changi Road to the sea were also cleared.

Penang and the Dindings.—Progress was made with the small irrigation scheme at Permatang Pasir which has been constructed in order to bring a large area into padi cultivation.

Several old irrigation canals were reopened in the vicinity of the Sungei Rotan Bridge, Dindings.

The usual clearing of existing drains was carried out.

Province Wellesley.—The Muda River and Krian River Bunds were maintained in good order. Fourteen miles of drainage channels were cleared and deepened in various parts of the Province.

Owing to the abnormal rise of the Muda River several breaches occurred in the Muda Bund and they were repaired satisfactorily. In several places water overflowed the Bund.

Four water gates were repaired on the Muda Bund. The sluice gate on the approach road to the Muda River Bridge was extended to its full width.

Malacca.—The swivel gates at Pulau Sebang dam, Tampin, were found to be inadequate in size to take flood water. Two concrete centre abutments were cut out and double sliding plank gates put in.

A washout occurred round the abutment of the wooden dam at Malaka Pinda—this was taken in hand at once and repaired in time for the padi season.

Dredging Operations and Reclamation Works.

11. **Singapore.**—The dredger *Mudlark* removed 38,490 cubic yards of silt from the Singapore River, the whole of which was taken up the river and deposited in Mount Zion Reclamation. Eight thousand three hundred and twenty-four cubic yards were also removed from the bed of the river by hand.

The excavation of the old disused cemetery in Havelock Road was continued and the earth used for reclaiming the swamp on the other side of the road, 81,518 cubic yards of material being used for the purpose.

Penang and the Dindings.—The land reclaimed at Patani Road is showing good progress. Slag filling has been completed and red earth filling is proceeding.

The filling of the moat around Fort Cornwallis has been completed and the filling of the pond at Lake Villa proceeded with.

Province Wellesley.—Four-and-a-half acres of Crown Land at Butterworth, work on which was begun last year, was reclaimed with sand filling.

Malacca.—The Grab Dredger removed 105,549 tons of silt and mud from the mouth of the Malacca River and this was dumped by boat on South Reclamation.

The Grab Dredger worked until November when she was beached, thoroughly scraped and painted. Extensive repairs are in hand to deck and internal bracing.

River and Sea Works.

12. **Singapore.**—The apron in front of the Beri-beri Hospital, Pasir Panjang, to protect the foreshore from erosion was taken up and renewed.

The dry rubble retaining wall to Raffles Reclamation was rebuilt in places and repaired. Portions of the wall to Singapore River were also repaired and repointed. The ironwork forming the substruction of a portion of the Master Attendant's Pier was encased in cement concrete. New concrete fender piles were provided to the Jetty of Sultan Shoal Lighthouse and certain piles to the T head of the pier at St. John's Island were renewed and repairs carried out to the pontoons.

Penang and the Dindings.—The Bruas River was cleared for about 4 miles above Pengkalen Bahru.

Province Wellesley.—The Permatang Pauh Pontoon Bridge and the Jalan Bahru, Aur Gading and Bukit Tambun Ferries were maintained satisfactorily.

A Horse Ferry Boat was constructed for the Jalan Bahru Ferry and repairs to the Permatang Pauh Ferry were carried out.

The Nibong Tebal Pontoon Bridge was maintained in good order. It is to be regretted that the scheme for constructing a bridge across the Nibong Tebal River, for which plans and estimates have been approved, has had to be postponed.

Malacca.—Repairs were carried out to the two groynes at the mouth of the Malacca River, existing laterite boulders were repacked and further granite boulders placed in position. A portion of a new groyne to connect the concrete wall with existing south groyne was constructed to a length of 257 feet. Repairs were also carried out to the sea wall at 3rd mile, Klebang Road.

Lighthouses and Beacons.

13. **Singapore.**—Beacons Nos. 3, 6 and 25 at Tanjong Gul, Pulau Bosing and Silat Shoal were rebuilt. Extensive repairs were also carried out to 5 other beacons.

Repairs were executed to Pulau Pisang, Horsburgh and Raffles Lighthouses and repainting.

Penang.—The apparatus for the Pulau Tikus Lighthouse was received from the Crown Agents at the end of the year and a ferro-concrete pillar erected for the light.

Province Wellesley.—Necessary repairs were done to the Telegraph Beacons at Bagan Jeremal.

Malacca.—The Cape Rachado, Pulau Undan and One-Fathom Bank Lighthouses were repaired and kept in good order during the year.

Labuan.—Kuraman and Pappan Lighthouses received repairs and the usual repainting.

Electric Lighting and Fans.

14. **Singapore.**—The electric light installations in the Prisons, Prisons Dressers' Quarters, the Police Adjutant's and the Assistant Superintendent of Police's Quarters, Pearls Hill, were completed and the overhead transmission line for feeding them was erected from the General Hospital to the Prison.

Electric generating plants were erected in Mount Rosie, Chief Justice's Quarters, Nassim Hill, and lights and fans provided.

An electric generating plant was partially erected at Labrador and the small existing plant dismantled and lights and fans were partially installed in the new Convalescent Bungalow and completed in the Bungalow for Hospital purposes and new mains installed to Labrador Villa to feed from the new plant.

Electric fans were installed in the Treasury Vault, Inspector of School's Office, Registrar's Office, Supreme Court, Principal Assistant Colonial Secretary's Office, General Post Office and Government Monopolies.

Electric light and fans were installed in fifteen quarters in Goodwood Estate and Stevens Road, also in the temporary General Post Office, Master Attendant's Office, Surgeons' and Matrons' Quarters, General Hospital, Fourteen Clerks' Quarters, Bukit Timah Road, Lady Medical Officer's Quarters, General Hospital, No. 2, Fort Canning Road, and the extension to the Colonial Secretary's Bungalow. Electric lights were extended to Court Record Room, Supreme Court, Treasury and Government Printing Office.

Lightning Conductors were installed at Assistant Superintendent of Police's Quarters, Pearls Hill, Medical Officer's Quarters, St. John's Island, and No. 2, Fort Canning Road.

An electric passenger lift was installed in Government House.

Penang.—Ceiling fans and table lamps were installed at the Supreme Court. New points were added to Telegraph Office, Governor's Quarters, Free School, General Hospital, No. 1, Leith Street Ghaut and St. George's Girls' School. One new ceiling fan was installed at No. 3, Sepoy Lines, and 2 in Treasury.

Province Wellesley.—The streets of Butterworth were lighted by electricity.

Sanitation.

15. **Singapore.**—Latrines on the water-carriage system were installed in the Monopolies Office, Cecil Street, the Printing Office and in the Magistrates' Court.

The lavatories at the Government Offices were remodelled and a commencement made with the installation of water closets and squatting pans.

A length of 270 feet cement concrete drain was constructed in a ravine at Woodlands.

A cement concrete drain of a length of 1,258 lineal feet was constructed on the north side of East Coast Road between Municipal Limits and Joo Chiat Road.

Thirteen small incinerators for burning household refuse were built in various villages in the Rural Board Area.

Province Wellesley.—Concrete drains were constructed at Bagan Tuan Kechil in Butterworth District and 11 dust bins were erected at Butterworth and Bukit Mertajam.

Engineering Surveys.

16. **Singapore.**—Surveys were made and levels taken in connection with the following works:—

Site for Raffles College at Mount Rosie (20 acres) and at Economic Gardens; site for proposed Tan Tock Seng Students' Hostel at Mandalay Road; site for Police Station at Bukit Panjang; projected works at Nassim and Tanglin Hills; raising Crown Land at the junction of Balmoral Road and Stevens Road; raising the site of the old Fort, Tanjong Katong, and filling in the moat; installation of the water-carriage sewerage system at Tan Tock Seng Hospital and the Police Government Buildings at Pearls Hill.

Cross Sections were also taken of Singapore River from the mouth to Kim Seng Bridge.

Penang.—A survey for a 'rikisha path from the Railway Station to Crag Hotel of the approach road to the Hill Railway Station at the foot of the hill also surveys of the Jail and Lake Villa property and some minor surveys were carried out.

Province Wellesley.—Surveys were made and levels taken in connection with the Improvement of the Main Roads, Telok Ayer Tawar to Kapala Batas and Butterworth to Permatang Pauh.

Malacca.—A proposed deviation for the Chin Chin-Merlimau Road, traced in 1912, was re-demarcated. Contour site plan for the new Jasin Hospital was prepared and a detailed survey of the Merlimau-Sungei Rambei Road made in connection with the reconstruction of this road.

Surveys were commenced for a road to connect Tebong with the Federated Malay States road from Tampin to Gemas.

Government Bungalows.

17. **Singapore.**—Changi Bungalow was occupied on 290 days, compared with 291 in 1920. Tanjong Rhu Bungalow No. 1 on 334 days, compared with 347 days in 1920. Tanjong Rhu Bungalow No. 2 on 303 days, compared with 131 days in 1920 and Labrador on 295 days, compared with 240 days in 1920.

Penang.—Bellevue Bungalow was occupied 169 days, against 168 days in 1920. Convalescent was occupied 77 days, against 138 days in 1920. Fernhill was occupied 108 days, against 92 days in 1920.

Malacca.—The Bungalow at Tanjong Kling was occupied on 275 days as against 163 days in 1920.

Contracts.

18. The statement below is a record of contracts other than for the supply of road metal and building materials entered into and completed during the year:—

| SETTLEMENT. | Contract entered into. | Contract completed. | REMARKS. |
|-------------------------|------------------------|---------------------|---|
| Singapore | 125 | 86 | The acceptance of tenders was frequently delayed owing to high price of material but towards the end of the year prices became easier and contracts were within Departmental estimates. |
| Penang and Dindings ... | 70 | 52 | |
| Province Wellesley ... | 69 | 60 | |
| Malacca | 17 | 11 | |
| Labuan | 8 | 8 | |
| Totals ... | 289 | 217 | |

Labour and Materials.

19. The cost of unskilled labour fell during the year but pay of skilled labour showed little change. There was a fall in the price of materials which was most marked in the later months of the year.

Staff.

20. **Singapore.**—Mr. F. J. PIGOTT was in charge of the Department until 25th March, and went on leave for 2 months and 15 days prior to retirement on pension.

Mr. H. V. TOWNER, Executive Engineer, Grade I, was appointed Deputy Colonial Engineer with effect from 14th February, *vice* Mr. C. G. MAY retired on pension.

Mr. TOWNER acted as Colonial Engineer from 26th March until 4th June, when he was succeeded by Mr. J. H. W. PARK, O.B.E.

Mr. R. H. McCLELAND, Assistant Engineer, went on 12 months' furlough on 20th January.

Mr. W. J. BRINDLEY, Assistant Engineer, was transferred to Jasin on the 9th February.

Mr. W. M. McCRAE, Acting Engineer-Surveyor, was confirmed in the substantive appointment on 29th November.

Mr. R. M. LOVE, Assistant Architect, was transferred to Penang on the 30th May.

Penang.—On 15th January, 1921, Mr. C. G. MAY retired and Mr. A. ROGERS relieved him as Officer-in-charge, Penang. On 3rd July, Mr. ROGERS went on furlough and was relieved by Captain H. M. S. HAUGHTON until the arrival of Mr. F. T. KINDER from Singapore on 27th July, who assumed duty as Executive Engineer, Penang.

On 22nd April, 1921, Mr. C. W. JACKSON returned from leave and resumed duties as Architectural Assistant. Owing to heavy work in the Drawing Office Mr. R. M. LOVE was sent from Singapore to be Assistant Architect and acted as Assistant Engineer after October.

Captain H. M. S. HAUGHTON was transferred to Labuan on 20th September, 1921.

Mr. O. SCHARENGUIVEL arrived from Malacca on 8th May, 1921, to take up his duty as Engineer-Surveyor.

Province Wellesley.—Mr. DAVSON was Assistant Engineer in charge of the Department during the year with Mr. LAVENDER as Assistant Engineer, Province Wellesley (North).

Malacca.—Mr. HOLDEN was in charge of the Settlement throughout the year.

Mr. ROGERS was Assistant Engineer, Jasin, till 9th February, 1921, when he was relieved by Mr. BRINDLEY.

Mr. WEBB was employed as half-time Assistant Engineer, Municipality, and half of Public Works Department in charge of Town and Central Divisions.

Labuan.—Mr. E. ROBERTS, Executive Engineer, was in charge to 9th October, 1921, when he went on leave prior to retirement, and Captain H. M. S. HAUGHTON took charge.

General.

21. In the 1919 report my predecessor gave some interesting figures in regard to recent changes in prices of labour and materials. Such figures however useful do not convey to the mind the effect they have on construction of public works. I have recently had tables compiled showing the cost of similar works or buildings in the various Settlements during the last three years. It is not possible to refer to these in detail but a single instance will suffice.

The cost of building a first class quarter in Singapore containing 6,000 square feet of floor space, 1,125 square feet of outbuilding and 150 feet of covered way complete with water, electric light, tennis court, road and fence but not including land, sewers or piled foundations, was in May, 1919, actually \$21,256; in August, 1920, this cost became \$57,619 while in May, 1921, it was \$38,846. These figures are from accepted tenders.

22. When it is remembered that Public Works Officers have as a rule to prepare estimates between June and October, for works to be undertaken probably between March and September of the following year their difficulties in the face of the variations in price thus disclosed are obvious. Actually for 1920 they provided \$21,000 per house while for 1921 there was allowed \$41,250.

23. I judge 1919 building prices to have been 20 per cent on the average above those of 1916 while those of 1920 were 150 per cent and those of 1921 about 75 per cent above the corresponding ones of the same year. On these figures the building programme of 1919 was double that of 1916 while that of 1921 was four times greater than that of the same year.

It is possible to apply somewhat similar reasoning to roads where prices are mainly dependent on local labour and it is not difficult to deduce therefrom that road work has probably increased about 75 per cent.

These considerations show very clearly how the duties of individual members of the Department have been added to in recent years.

PUBLIC WORKS DEPARTMENT,

SINGAPORE, 4th May, 1922. [No. 3703/22.]

J. H. W. PARK,

Colonial Engineer,

Straits Settlements.

REPORT ON THE STRAITS SETTLEMENTS FOR THE YEAR 1921.

Historical and Geographical Notes.

The Straits Settlements, comprising Singapore, Penang and Malacca, were transferred from the control of the Indian Government to that of the Secretary of State for the Colonies on the 1st April, 1867, by an Order in Council, issued under the authority of an Act of the Imperial Parliament (29 and 30 Vict. c. 115).

SITUATION AND AREA.

SINGAPORE.

Singapore is an island about 27 miles long by 14 wide, containing an area of 217 square miles, situated at the southern extremity of the Malay Peninsula, from which it is separated by a narrow strait about three-quarters of a mile in width. There are a number of small islands adjacent to it which form part of the Settlement, which now comprises also Christmas Island, and the Cocos Islands.

The seat of Government is the town of Singapore, at the southern point of the island, in latitude $1^{\circ} 17'$ north, and longitude $103^{\circ} 50'$ east.

PENANG.

Penang is an island about 15 miles long and 9 broad, containing an area of 108 square miles, situated off the west coast of the Malay Peninsula in 5° north latitude, and at the northern extremity or entrance to the Straits of Malacca. On the opposite shore of the mainland, from which the island is separated by a strait from 2 to 10 miles broad, is Province Wellesley, a strip of territory forming part of the Settlement, averaging 8 miles in width, and extending 45 miles along the coast, including 10 miles of territory to the south of the Krian river (*vide infra*), the whole containing an area of 280 square miles.

The chief town is George Town, in $5^{\circ} 24'$ north latitude, and $100^{\circ} 21'$ east longitude.

MALACCA.

Malacca is situated on the western coast of the peninsula between Singapore and Penang, about 110 miles from the former and 240 from the latter, and consists of a strip of territory about 42 miles in length, and from 8 to 25 miles in breadth, containing an area of 720 square miles. The town, called Malacca, is in $2^{\circ} 10'$ north latitude, and $102^{\circ} 14'$ east longitude.

THE DINDINGS.

The Dindings, area about 183 square miles, include the island of Pangkor and a strip of territory opposite on the mainland, about 80 miles from Penang, in $4^{\circ} 15'$ north latitude, and $100^{\circ} 35'$ east longitude. Lumut, the headquarters on the mainland, possesses a fine harbour with deep anchorage, and arrangements have been made for coasting steamers to call regularly.

COCOS-KEELING ISLANDS.

The Cocos or Keeling Islands, which were declared a British possession in 1857, were placed, by Letters Patent of 13th October, 1878, under the control of the Governor of Ceylon, and by Letters Patent dated the 1st of February, 1886, under the Governor of the Straits Settlements. In 1903 they were annexed to the Straits Settlements and incorporated with the Settlement of Singapore. The islands lie between latitude $11^{\circ} 50'$ to $12^{\circ} 45'$ south, longitude $96^{\circ} 50'$ east, 700 miles south-west of Batavia. The largest is 5 miles by $\frac{1}{4}$ mile. There are large coconut plantations, and copra, oil, and nuts are exported. In 1902 a station on the Cape-Australia cable route was established on Direction Island, in the north-eastern part of the group. The population numbers about 795.

CHRISTMAS ISLAND.

Christmas Island, situated in the Indian Ocean, 190 miles south of Java, latitude $10^{\circ} 30'$ south, longitude $105^{\circ} 40'$ east, was annexed in June, 1888, and placed under the administration of the Governor of the Straits Settlements by Letters Patent of 8th January, 1889. In 1900 it was annexed to the Straits Settlements and incorporated with the Settlement of Singapore.

The island, which is densely wooded, has an area of about 62 square miles. In shape it is a rough parallelogram.

with deeply indented sides, its greatest length being about 12 miles, and its greatest breadth about 9 miles. The inhabitants, who number about 1,100, are all, with the exception of the District Officer and his staff, employés of the Christmas Island Phosphate Company, which was formed in 1897 to work the extensive deposits of phosphate of lime, to which the island owes its importance.

The total area of the Colony with these dependencies is about 1,600 square miles.

By Letters Patent issued at the end of 1906, provision was made for the incorporation of the Colony of Labuan in that of the Straits Settlements. The provision came into effect from the 1st of January, 1907. An account of Labuan will be found below.

HISTORY.

MALACCA.

Malacca, said to have been founded by fugitives from the sack of Singapore, and known as an important independent State from early in the fifteenth century, is one of the oldest European Settlements in the East, having been captured by the Portuguese under ALBUQUERQUE in 1511, and held by them till 1641, when the Dutch, after frequent attempts, succeeded in driving them out. The Settlement remained in the possession of the Dutch till 1795, when it was taken by the English, who held it till 1818. It was then restored to Holland, but was again transferred to British rule as a consequence of the Treaty of London (17th March, 1824), being exchanged for the British Settlements in Sumatra.

When Malacca was captured by the Portuguese in 1511, it was one of the grand entrepôts for the commerce of the East, but as the Portuguese pushed their operations further to the east, in the archipelago and neighbouring countries, the trade of Malacca gradually declined and it ceased to be of consequence as a collecting centre, except for the trade of the Malay Peninsula and the Island of Sumatra. This trade it retained under Dutch rule till the establishment of Penang in 1786. In a few years from that date its trade almost ceased, and it became, what it has ever since been, a place of little commercial importance, but possessing great agricultural resources. The trade of the Malay Peninsula and Sumatra passed to Penang, which also carried on a large

traffic with China, Siam, Borneo, the Celebes, and other places in the archipelago not under Dutch control; but no sooner was Singapore established than Penang in its turn had to yield the first place to Singapore, and came to depend chiefly on the local trade. At first unimportant, that trade has assumed enormous proportions, owing to the development of the rich tin areas and rubber-bearing lands of the Malay Peninsula.

PENANG.

Penang, or Prince of Wales' Island, was the first British Settlement in the Malay Peninsula, having been ceded to the East India Company by the Raja of Kedah in 1786, with the proviso that the sum of 6,000 dollars should be paid annually to the Raja of Kedah so long as the British occupied the island. In 1800, in consequence of the prevalence of piracy, a strip of the coast of the mainland, now called Province Wellesley, was acquired from the Raja, the annual payment being in return increased to \$10,000. This has been subsequently enlarged from time to time, until it now extends from the Muda River to 10 miles south of the Krian River, a distance of 45 miles, containing in all 280 square miles. This province is in a high state of cultivation, the chief articles cultivated being padi, coconuts, and rubber. In 1805 Penang was made a separate Presidency, of equal rank with Madras and Bombay. In 1826 Singapore and Malacca were incorporated with it under one government, Penang still remaining the seat of government. In 1836 the seat of government was transferred to Singapore.

The island of Pangkor and the Sembilan Islands were ceded by Perak in 1826, with a view to the suppression of piracy, but no use was made of the cession at the time. In 1874 the cession of these islands was confirmed by the Treaty of Pangkor, by which a strip of territory in the mainland opposite also became British. The whole now forms, under the name of the Dindings Territory, an outlying portion of the Settlement of Penang.

SINGAPORE.

The original city of Singapore is said to have been founded by immigrants from Sumatra. It rose into prominence in the fourteenth century. Its greatness came to a sudden end in 1377, when it was sacked and destroyed by the Javanese, and thenceforth the island was scarcely

inhabited until Sir STAMFORD RAFFLES took possession of it in 1819, by virtue of a treaty with the Johore princes. The new Settlement was at first subordinate to Bencoolen (Fort Marlborough) in Sumatra, but in 1823 it was placed under the Government of Bengal; in 1826 it was, as above stated, united with Penang and Malacca, under the Governor and Council of the Incorporated Settlements.

LABUAN.

The Island of Labuan is situated on the north-west coast of Borneo, in $5^{\circ} 16'$ North latitude, and $115^{\circ} 15'$ East longitude. Its area is 28.6 square miles. It is distant from the coast, at the nearest point, about six miles; from Brunei, the capital of the Protected State of that name, about forty miles; and from Singapore 725 miles, or three days' steam.

The average annual rainfall is about 168 inches, and the thermometer ranges from 71° to 93° .

An attempt was made by the East India Company's servants, who were expelled from Balambangan by Sulu pirates in 1775, to establish a trading station in Labuan, but the project was soon abandoned, and for practical purposes the history of the island begins with its cession to Great Britain in 1846 by the Sultan of Brunei. It was then uninhabited. The reason for the cession, given in the treaty, by which the island was handed over to Great Britain, was that it was "desirable that British ships shall have some port where they may careen and refit, and deposit such stores and merchandise as shall be necessary for the carrying on of the trade with the dominions of Brunei", and the consideration given by Great Britain was an undertaking to suppress piracy and protect lawful trade.

The island was at first occupied only as a naval station under the control of a naval officer, and the formal establishment of a Crown Colony was deferred until 1848. From that date until the end of 1889, Labuan was governed as a separate Colony. Until 1869 it was assisted by grants-in-aid from the Imperial Exchequer, but this help was then withdrawn, and the Colony supported itself, though with difficulty, for the next twenty years. In 1889, the financial troubles came to a head, and, as it was thought that the island could be more economically governed in connection with the territories of the British North Borneo Company, the administration was entrusted, from the 1st January, 1890, to the care of the Company, whose principal representative in Borneo was given a commission as Governor of Labuan. This arrangement was terminated at the end of

1905, when Sir J. ANDERSON, Governor of the Straits Settlements, was appointed also Governor of Labuan, the island still remaining a separate Colony. On the 1st of January, 1907, Labuan was annexed to the Straits Settlements, and declared part of the Settlement of Singapore. On the 1st of December, 1912, the island was constituted a separate Settlement.

Labuan has a fine port (Victoria Harbour), perfectly safe, and easy of access. Vessels drawing 23 feet can go alongside the outside jetty (not at present in use), and vessels drawing 15 feet alongside the coaling jetties.

It is a market for much of the produce of the neighbouring coasts of Borneo and the Sulu Archipelago, such as sago, beeswax, edible birds' nests, camphor, gutta-percha, indiarubber, rattans, tortoise-shell, and beche-de mer, which are forwarded by the Labuan traders to Singapore. Cattle and goats are reared, and 2,000 acres are estimated to be under cultivation. There are sago factories in the island, where the raw material received from the coast is converted into sago flour, which is exported to Singapore.

There is a branch of the Government Post Office Savings Bank in Labuan, but no other bank. The currency is Straits dollars and Straits subsidiary coins. Straits notes are also available in Labuan.

The inhabitants are chiefly Malays and other natives from Brunei, and Chinese, the latter being mostly petty traders.

The Eastern Extension Australasia and China Telegraph Company has a station on the island connected by cable with Singapore, Hongkong and North Borneo. The nearest point in telegraphic communication with Europe is Singapore.

The population at the 1921 Census was 5,909.

I.—Finances.

The revenue for the year 1921 amounted to \$39,545,735 exceeding the estimates by \$2,359,972, whilst the expenditure was \$35,430,899, being \$5,114,641 less than the estimate.

The figure represents a fall in revenue, as compared with 1920, of \$2,923,885, but expenditure was also reduced by \$3,829,419, with the result that the excess of revenue over expenditure was \$4,114,836, as compared with \$3,209,302 in 1920.

The actual figures for 1920 and 1921 are as follows:—

(i).—REVENUE.

| | 1920. | 1921. | Increase. | Decrease. |
|---|--------------|------------------|-------------|-----------|
| | \$ | \$ | \$ | \$ |
| 1. Port, Harbour, Wharf and Light Dues ... | 1,610 | 1,822 | 212 | ... |
| 2. Licences, Excise and Internal Revenue not otherwise classified ... | 34,211,116 | 29,105,291 | ... | 5,105,825 |
| 3. Fees of Court or Office, Payments for Specific Services, and Reimbursements in Aid ... | 880,844 | 931,096 | 50,252 | ... |
| 4. Posts and Telegraphs ... | 1,241,071 | 1,257,289 | 16,218 | ... |
| 5. Rents on Govt. Property | 1,232,813 | 1,396,602 | 163,789 | ... |
| 6. Interest ... | 975,196 | 1,988,163 | 1,012,967 | ... |
| 7. Miscellaneous Receipts | 1,812,970 | 4,738,350 | 2,925,380 | ... |
| | \$40,355,620 | 39,418,613 | 4,168,818 | 5,105,825 |
| 8. Land Sales... | 2,114,000 | 127,122 | ... | 1,986,878 |
| TOTAL ... | \$42,469,620 | 39,545,735 | 4,168,818 | 7,092,703 |
| | | Net Decrease ... | \$2,923,885 | |

The decrease is mainly due to a fall of \$4,746,516 in opium revenue.

Stamp duties fell by \$778,173, but there was a small increase of \$12,642 in Estate duty.

The marked increase in the interest item is due to an increase in Interest on Loans and Advances by \$1,079,739, which in its turn, was mainly due to the payment of \$900,000 by the Government of the Federated Malay States on account of interest on its "Rice Debt".

The amount of tax collected under the Income Tax Ordinance, 1921, was about \$5,300,000. Owing to the depression in trade the collections were less than under the 1920 Ordinance.

Among excesses of Revenue over the Estimates were:—

| | \$ |
|--|-----------|
| Interest ... | 1,259,433 |
| Income Tax ... | 969,060 |
| Liquors ... | 230,285 |
| Tobacco Duties ... | 354,313 |
| Fees of Courts, etc. ... | 123,521 |
| Premia on Special Sales of Town Lands ... | 14,983 |
| Telok Ayer Reclamation Rents (unestimated) ... | 270,000 |
| Miscellaneous Receipts ... | 4,662,497 |

(ii).—EXPENDITURE.

| | 1920. | 1921. | Increase. | Decrease. |
|--|---------------------|---------------------|------------------|--------------------|
| | \$ | \$ | \$ | \$ |
| 1. Charge on account of the Public Debt ... | 37,083 | 37,083 | ... | ... |
| 2. Pensions ... | 679,920 | 755,963 | 76,043 | ... |
| 3. Charitable Allowances ... | 14,483 | 17,946 | 3,463 | ... |
| 4. The Governor ... | 171,445 | 137,524 | ... | 33,921 |
| 5. Civil Service ... | ... | 519,064 | 519,064 | ... |
| 6. Colonial Secretary, Resident Councillors and Resident ... | 371,123 | 212,350 | ... | 158,773 |
| 7. Government Printing Office ... | 278,666 | 226,635 | ... | 52,031 |
| 8. Land and District Offices ... | 344,605 | 314,413 | ... | 30,192 |
| 9. Forests ... | 34,628 | 53,187 | 18,559 | ... |
| 10. Chinese and Indian Immigrants' Protection ... | 109,819 | 103,346 | ... | 6,473 |
| 11. Treasury ... | 211,719 | 220,478 | 8,759 | ... |
| 12. Audit ... | 75,243 | 77,460 | 2,217 | ... |
| 13. Director of External Audit ... | 4,912 | ... | ... | 4,912 |
| 14. Marine ... | 612,715 | 737,774 | 125,059 | ... |
| 15. Legal ... | 486,977 | 427,907 | ... | 59,070 |
| 16. Police ... | 1,408,922 | 2,407,296 | 998,374 | ... |
| 17. Prisons ... | 464,383 | 465,017 | 634 | ... |
| 18. Medical ... | 465,380 | 570,576 | 105,196 | ... |
| 19. Hospitals and Dispensaries ... | 1,085,784 | 1,411,802 | 326,018 | ... |
| 20. Veterinary ... | 49,475 | 52,148 | 2,673 | ... |
| 21. Education ... | 562,086 | 911,121 | 349,035 | ... |
| 22. Ecclesiastical ... | 23,340 | 26,675 | 3,335 | ... |
| 23. Transport ... | 211,162 | 305,586 | 94,424 | ... |
| 24. Military Expenditure ... | 3,171,065 | 5,764,448 | 2,593,383 | ... |
| 25. Miscellaneous Services ... | 23,501,948 | 12,071,385 | ... | 11,430,563 |
| 26. Post Office ... | 881,517 | 1,808,170 | 926,653 | ... |
| 27. Government Monopolies ... | 590,825 | 687,275 | 96,450 | ... |
| 28. Agricultural Department ... | 8,550 | 106,225 | 97,675 | ... |
| 29. Botanical Gardens ... | 73,911 | 96,918 | 23,007 | ... |
| 30. Raffles Museum and Library ... | 35,946 | 46,604 | 10,658 | ... |
| 31. Income Tax ... | ... | 38,829 | 38,829 | ... |
| 32. Public Works Department ... | 354,808 | 394,360 | 39,552 | ... |
| 33. Survey Department ... | 187,066 | 240,346 | 53,280 | ... |
| 34. Public Works, Recurrent ... | 576,148 | 639,153 | 63,005 | ... |
| 35. Public Works, Extraordinary ... | 1,465,890 | 3,531,938 | 2,066,048 | ... |
| Director of Supplies, S. S. and F. M. S. ... | ... | 13,897 | 13,897 | ... |
| War Expenditure ... | 708,774 | ... | ... | 708,774 |
| TOTAL ... | \$39,260,318 | 35,430,899 | 8,655,290 | 12,484,709 |
| | | Net Decrease | ... | \$3,829,419 |

The main heads under which there has been increase in Expenditure are:—

| | <i>Increase.</i> |
|---------------------------------|------------------|
| | \$ |
| Salaries and Allowances ... | 2,371,869 |
| Salaries of Acting Officers ... | 149,793 |
| Military Expenditure ... | 2,593,383 |
| Public Works Extraordinary ... | 2,066,048 |
| | <hr/> |
| | \$7,181,093 |

and the main heads under which expenditure has decreased are:—

| | <i>Decrease.</i> |
|---|------------------|
| | \$ |
| Loss on rice ... | 5,785,777 |
| Contributions to Imperial War Funds ... | 6,329,079 |
| | <hr/> |
| | \$12,114,856 |

As regards the increase in Salaries and Allowances, there was a decrease in allowances from \$2,633,567 in 1920 to \$2,058,042 in 1921, a difference of \$575,525, so the increase in salaries must be put at \$2,947,394.

The decrease in allowances was due to a reduction in rates of allowance as from 1st June, 1921. The increase in salaries was partly due to further revisions of salary of some of the officers in certain Departments, and partly to the fact that some part of the arrears of 1919 and 1920 salaries, arising out of revisions, were not paid until 1921. All arrears in connection with various revisions have not even yet been paid.

The most noticeable increases of Expenditure on Personal Emoluments are:—

| | \$ |
|--|-------------|
| Police ... | 944,660 |
| Post Office ... | 533,654 |
| Civil Service (shown for the first time under a separate head) | 519,064 |
| Education ... | 248,646 |
| Hospitals and Dispensaries ... | 155,092 |
| Medical ... | 75,747 |
| Government Monopolies ... | 111,150 |
| | <hr/> |
| | \$2,588,013 |

The increase in salaries of acting officers may be attributed partly to improved facilities for granting officers leave, and partly to revisions of salary.

The increase in Military Expenditure is mainly due to the increased amount paid on account of Defence Contribution. The amount so paid is subject to adjustment when the cost of the garrison for 1921 is known.

Exclusive of Defence Contribution and of Special Expenditure connected with the war, the following table will show the Colony's expenditure for the last seven years and the portion of it which has gone in Public Works Extraordinary:—

| | | | <i>Total Expenditure.</i> | <i>Public Works Extraordinary.</i> |
|------|-----|-----|-------------------------------|--|
| | | | — \$ | — \$ |
| 1915 | ... | ... | 7,207,478 | 676,463 |
| 1916 | ... | ... | 6,514,527 | 318,788 |
| 1917 | ... | ... | 6,774,048 | 208,908 |
| 1918 | ... | ... | 8,687,204 | 458,257 |
| 1919 | ... | ... | 29,111,433 | 892,571 |
| 1920 | ... | ... | 35,452,052 | 1,465,890 |
| 1921 | ... | ... | 29,807,490 | 3,531,938 |

Although there is quite a noticeable fall in expenditure, the advance upon 1918 figures is marked.

The difference of 21 millions is accounted for mainly under the 3 heads:—Personal Emoluments 7 millions, Miscellaneous Services 9 millions, Public Works Extraordinary 3 millions.

As regards Personal Emoluments, the cost of all Establishments has increased, but the most noticeable are:—

Police $1\frac{1}{4}$ millions, Medical and Hospitals $\frac{1}{2}$ million, Miscellaneous Services (in which Head of Estimates all

temporary allowances are included) $2\frac{3}{4}$ millions. This leaves an increase of $2\frac{1}{2}$ millions to be divided up amongst other departments.

Miscellaneous Services:—The chief items under Other Charges are:—

| | | | \$ |
|--|-----|-----|-------------|
| Loss on rice | ... | ... | 3,674,423 |
| Contributions to Rural Boards | | | 1,286,093 |
| Contributions to Municipalities | | | 500,000 |
| Depreciation in investments of the Treasury and the Currency Commissioners | | ... | 600,157 |
| Johore Causeway | ... | ... | 256,318 |
| Purchase of Land | ... | ... | 707,451 |
| | | | <hr/> |
| | | | \$7,024,442 |
| | | | <hr/> |

The principal savings on the Expenditure Estimates were in respect of Public Works Extraordinary \$6,595,713, Post Office \$778,851, Military Expenditure \$1,436,304, Marine \$1,419,319, Civil Service \$258,061 and Education \$216,399.

The following comparative statement shows the revenue and the expenditure of the Colony for the past seven years:—

| | | <i>Revenue.</i> | <i>Expenditure.</i> |
|------|-----|-----------------|---------------------|
| | | — | — |
| | | \$ | \$ |
| 1915 | ... | 14,131,691 | 10,196,560 |
| 1916 | ... | 17,325,695 | 11,046,353 |
| 1917 | ... | 19,672,104 | 11,369,392 |
| 1918 | ... | 23,262,015 | 15,966,145 |
| 1919 | ... | 34,108,465 | 34,901,233 |
| 1920 | ... | 42,469,620 | 39,260,318 |
| 1921 | ... | 39,545,735 | 35,430,899 |

(iii).—STATEMENT OF ASSETS AND LIABILITIES.

The Assets and Liabilities of the Colony on the 31st December, 1921, were as follows:—

| <i>Liabilities.</i> | | | <i>Assets.</i> | | |
|---|-----|--------------|--|-----|--------------|
| | | \$ | | | \$ |
| Deposits | ... | 15,279,799 | Indian Agency Account | ... | 374,999 |
| | | | Investments | ... | 20,571,974 |
| Suspense (a) | ... | 4,702,287 | Advances | ... | 783,497 |
| | | | Imprests | ... | 64,089 |
| Drafts and Remittances... | | 31,057 | Johore Foodstuffs Account | | 8,558 |
| Loans :— | | | Loans :— | | |
| Straits Settlements 7% | | | Municipalities | ... | 5,311,155 |
| Loan 1921-1926 | ... | 20,216,300 | Kelantan Government | ... | 320,000 |
| | | | Singapore Harbour Board | ... | 3,242,957 |
| Cash in transit | ... | 10,382 | Penang Harbour Board | | 612,643 |
| | | | Ho Hong Steamship Co. | | 300,000 |
| Excess of Assets over Liabilities (b) (c) | ... | 48,990,868 | Federated Malay States Government Advances at call | ... | 2,500,000 |
| | | | Federated Malay States Government Rice Account | ... | 18,788,847 |
| | | | Johore Government Re-Loan of Straits Settlements 1921 Loan | ... | 800,000 |
| | | | Federated Malay States Government Re-Loan of Straits Settlements 1921 Loan | ... | 15,000,000 |
| | | | Municipality Singapore Re-Loan of Straits Settlements 1921 Loan | ... | 3,500,000 |
| | | | Cash | ... | 17,051,974 |
| | | | | | |
| TOTAL | ... | \$89,230,693 | TOTAL | ... | \$89,230,693 |

(iv).—PUBLIC DEBT.

The indebtedness of the Colony in respect of the loan raised by the issue of 3½ per cent Straits Settlements Inscribed Stock under the provisions of Ordinance IV of 1907 amounted, on the 31st December, 1921, to £6,913,352, of which the equivalent in local currency is \$59,257,302.

- (a) Includes Currency Commissioners \$4,422,249.
- (b) The excess of the assets over the liabilities increased during the year by \$4,114,836.
- (c) The available surplus was some \$19½ millions. Of the 29½ millions in loans and advances, \$6 millions was repaid by the Federated Malay States in January, 1922, and the cash position then improved accordingly.

The expenditure upon service in respect of which this loan was raised stands as follows:—

| | \$ |
|---|---------------------|
| Singapore Harbour Board ... | 47,720,526 |
| Penang Harbour Board ... | 2,093,974 |
| Municipal Commissioners, Singapore ... | 4,484,460 |
| Municipal Commissioners, Penang ... | 1,250,000 |
| Government Harbour Works ... | 320,137 |
| Total ... | <u>\$55,869,097</u> |
| Loan Expenses and Cost of Conversion (1907 Loan) less interest received ... | 3,388,205 |
| Total ... | <u>\$59,257,302</u> |

The charge on account of interest on and expenses of this loan was \$2,079,383 in 1921. This charge is, however, borne by the Singapore Harbour Board and the other bodies to whom portions of the loan have been allotted.

The indebtedness of the Colony under the 5½ per cent War Loan, 1918 stands at \$28,655,700, under the 5½ per cent Conversion Loan, 1919 at \$36,718,200, and under the Straits Settlements and Federated Malay States Victory Loan, 1920 at \$15,074,300. The principal and interest on all these three loans is payable by His Majesty's Government.

The Straits Settlements 7 per cent Loan was floated on the 26th April, 1921, and closed on the 15th December, 1921. Subscriptions amounted to \$20,216,300. The bonds are registered and bearer bonds at 7 per cent per annum redeemable at par on the 1st May, 1926. The proceeds of this loan were lent to the following Governments and Municipalities:—

| | \$ |
|---------------------------------------|---------------------|
| Federated Malay States Government ... | 15,000,000 |
| Johore Government ... | 800 000 |
| Singapore Municipality ... | 3,500,000 |
| Penang Municipality ... | 916,300 |
| Total ... | <u>\$20,216,300</u> |

Ordinance 24 of 1921 authorised the issue of a loan to produce £10 million sterling, the proceeds to be lent to the Federated Malay States Government. A first instalment of this loan amounting to £5,155,000 was issued in London on the 8th December, 1921, the final instalment of subscriptions to this issue being payable on 23rd January, 1922.

(v).—EXCHANGE.

The following Banks have Establishments in the Colony:—

- The Hongkong and Shanghai Banking Corporation.
- „ Chartered Bank of India, Australia and China.
- „ Mercantile Bank of India, Limited.
- „ Netherlands Trading Society. (Nederlandsch Handel Maatschappij).
- „ Banque de l'Indo-Chine.
- „ International Banking Corporation.
- „ Netherlands India Commercial Bank. (Nederlandsch Indische Handelsbank).
- „ Sze Hai Tong Banking and Insurance Company, Limited.
- „ Bank of Taiwan, Limited.
- „ Yokohama Specie Bank, Limited.
- „ Chinese Commercial Bank, Limited.
- „ Bank of Communications.
- „ Ho Hong Bank, Limited.
- „ Banque Industrielle de Chine.
- „ China and Southern Bank, Limited.
- „ Oversea Chinese Bank, Limited.
- „ Asia Banking Corporation.
- „ Lee Wah Bank, Limited.
- „ Bank Voor Indie.

[During the year under report, the demand rate (Bank opening rates only) ranged between $2/4$ and $2/3\frac{1}{16}$.]

(vi).—CURRENCY.

Excluding subsidiary coins, the Currency of the Colony in circulation in the Currency Area at the end of the year consisted of \$84,596,806.90 in currency notes and \$6,476,418.50 in dollars and half-dollars, while there were still in circulation bank notes issued by the Hongkong and Shanghai Banking Corporation and the Chartered Bank of India, Australia and China to the value of \$149,951.

At the beginning of the year 1921 the currency notes in circulation amounted in value to \$101,587,186.80. The demand for Sterling which started in March, 1920, continued with little abatement until July, 1921, and the Currency contracted in consequence of Sterling Remittances to London being made through the Currency Commissioners.

The nett result shows that the Commissioners sold Sterling to the extent of £1,975,000 during the year under review, and this reduced the currency notes in circulation to \$84,596,806.90 at the end of 1921.

The Coin Reserve held by the Commissioners at the end of the year against the note circulation amounted to \$37,407,345.74 consisting of £328,251 in gold and \$8,629,793.18 in silver in the Colony and £3,029,130-2-8 in gold in London.

The investments held by the Commissioners on account of the Note Guarantee and Depreciation Funds were worth, at cash bargain or minimum prices, at the end of the year, \$50,425,384.46, the cost price of those investments being \$60,086,106.28.

The decrease in value compared with original cost is due to the general depreciation of all securities.

The Note Guarantee Fund at the end of the year was worth \$89,971,695.63 (Coin portion \$37,407,345.74, Investment portion \$50,425,384.46 and on deposit with the Government pending investment \$2,138,965.43), while the Gold Standard Reserve Fund at the same date was worth \$13,936,472.93. The total of the funds controlled by the Commissioners was, therefore, \$103,908,168.56 or \$19,311,361.66 more than the total note circulation at the end of the year.

The demand for small change slackened during the year with the result that the subsidiary silver coins and notes in circulation decreased by \$428,363 and \$942,556.90 respectively. The notes in circulation of a face value less than \$1 stood at the end of 1921 as follows:—

| | \$ | c. |
|---|-------------|------------|
| 10-cent notes printed in United Kingdom | 1,872,200 | 00 |
| 10-cent notes printed locally ... | ... | 513,502 90 |
| 25-cent notes printed locally ... | ... | 36,575 00 |
| Total ... | \$2,422,277 | 90 |

This shows very considerable contraction from the total of \$3,364,834.80 at the end of 1920.

The number of notes destroyed during the year totalled 8,623,555 against 4,118,343 in 1920, that is to say the number cancelled more than doubled that of the previous year. This is satisfactory but the notes presented for cancellation were, at the same time, far in excess of the number destroyed.

Ten-cent notes accounted for 6,500,000 of the number destroyed, but it must be remembered that the processes of destruction of these subsidiary notes are less exhaustive than in the case of the higher denominations.

At the beginning of the year the total number of notes awaiting destruction was 5,198,581, and further 15,686,163 were presented during the year, making a total of 20,884,744 for destruction. The total number destroyed was 8,623,555 as stated in the preceding paragraph, and the balance remaining for destruction at the end of the year was consequently 12,261,189 of which number 9,763,319 represented notes of a face value of less than one dollar.

(vii).—ENEMY PROPERTY.

The balance to the credit of the Custodian of Enemy Property at the end of the year was \$13,808,737.88 of which \$13,682,881.59 was invested. In addition \$210,076 was specially invested for the separate accounts of certain Enemies and does not appear in either of the above figures.

A Local Clearing Office was formally established on the passing of the Local Clearing Office Ordinance No. 18 of 1920 in July, 1920, but work actually commenced beforehand in June, 1920.

Claims from Germans against British Nationals said to be resident in the Colony received through the Central Clearing Office, London, amounted to \$910,060.14 of which claims to the value of \$96,721.76 were admitted and \$550,802.03 contested up to the 31st December, 1921; the balance were still under investigation.

Claims from British Nationals resident in the Colony against Germans forwarded to the Central Clearing Office, London, amounted to \$173,756.91. Of which \$15,368.24 were admitted by the German Clearing Office and \$145,293.57 contested, the balance being under investigation.

Between the date when the office was opened and the end of 1921, the Local Clearing Office collected \$147,056.62 from British Nationals in respect of German claims and paid out \$11,606.29 to British Nationals in respect of their claims against German Nationals. The Controller's investment on 31st December, 1921, stood at \$32,000.

There were no claims received from or against Austrian or Hungarian Nationals up to the end of the year 1921.

In the last five years the combined arrivals and departures of merchant vessels have been as follows:—

| | | | |
|---------|-----|-----|------------------|
| In 1917 | ... | ... | 15,784,369 tons. |
| 1918 | ... | ... | 13,064,270 „ |
| 1919 | ... | ... | 18,885,183 „ |
| 1920 | ... | ... | 24,027,912 „ |
| 1921 | ... | ... | 25,055,798 „ |

In the small craft (steamers under 50 tons and native vessels) the combined arrivals and departures were 51,069 in number and 2,296,268 in tons in 1921 as compared with 62,395 and 2,576,161, respectively, in 1920.

Fourteen new steam-launches and motor-vessels with a tonnage of 1,716 tons gross and 29 sailing-vessels of 3,252 tons were registered during the year under the Imperial Shipping Acts. Under the Merchant Shipping Ordinance, 1910, 16 new sailing-vessels of 1,539 tons were licensed under section 424, and 791 vessels of 8,667 tons under section 425.

The income and expenditure of the Singapore Harbour Board for the years ending June 30th, 1920 and June 30th, 1921, have been as follows:—

| | <i>Income. Expenditure.</i> | |
|-----------------------------|-----------------------------|------------|
| | — | — |
| | \$ | \$ |
| Year ending 30th June, 1920 | 20,754,623 | 11,079,039 |
| Year ending 30th June, 1921 | 17,782,797 | 12,644,492 |

The capital debt due to Government stood at 30th June, 1921, at \$51,162,518 on which the Board pays interest at 4 per cent. In addition to this capital, the Board has expended on new works and other expenditure of a permanent nature a sum of \$3,688,712 from reserve accounts.

The total gross earnings of the Wharf and Dock of the Penang Harbour Board for the year 1921 were \$1,323,921 and the expenditure was \$1,168,005 (the figures are only approximate for the second half of the year).

(b) TRADE.

The trade of the Colony in 1921 was in a state of depression throughout the year.

The following figures excluding Coin and Bullion show the value of the foreign trade of the Colony in thousands of pounds sterling for the last five years:—

Merchandise—

| | <i>Imports.</i> | <i>Exports.</i> | <i>Imports Merchandise. Increase or decrease over the preceding year.</i> | <i>Exports Merchandise. Increase or decrease over the preceding year.</i> |
|----------|-----------------|-----------------|---|---|
| | £ | £ | £ | £ |
| 1917 ... | 73,987 | 72,307 | ... | ... |
| 1918 ... | 81,618 | 71,922 | + 7,631 | — 385 |
| 1919 ... | 96,664 | 99,318 | + 15,046 | + 27,396 |
| 1920 ... | 124,216 | 102,536 | + 27,552 | + 3,218 |
| 1921 ... | 65,791 | 56,138 | — 58,425 | — 46,398 |

The value of the inter-port trade, including treasure for the last five years, was as follows in thousands of pounds sterling:—

| | <i>Imports.</i> | <i>Exports.</i> | <i>Imports. Increase or decrease over the preceding year.</i> | <i>Exports. Increase or decrease over the preceding year.</i> |
|----------|-----------------|-----------------|---|---|
| | £ | £ | £ | £ |
| 1917 ... | 8,137 | 8,720 | ... | ... |
| 1918 ... | *9,183 | *9,584 | + 1,046 | + 864 |
| 1919 ... | †13,164 | †13,235 | + 3,981 | + 3,651 |
| 1920 ... | 14,938 | 14,797 | + 1,774 | + 1,562 |
| 1921 ... | 6,904 | 6,887 | — 8,034 | — 7,910 |

The aggregate trade for the year 1921 was therefore £121·9 millions, against £226·7 millions in 1920, a decrease of £104·8 millions over 1920.

Bullion and Specie.—The figures for Bullion and Specie in thousands of pounds sterling for the year were:—

| <i>Imports.</i> | <i>Exports.</i> |
|-----------------|-----------------|
| £ | £ |
| 2,335 | 1,887 |

* Excluding Coin and Bullion. † Coin and Bullion included for second half of 1919 only.

Distributed according to classes the foreign trade records in thousands of pounds sterling are as follows:—

| | <i>Imports.</i> | | <i>Exports.</i> | |
|--|-----------------|---------------|-----------------|---------------|
| | <i>1920.</i> | <i>1921.</i> | <i>1920.</i> | <i>1921.</i> |
| | £ | £ | £ | £ |
| 1. Live Animals, Foods, Drinks and Narcotics ... | 43,579 | 26,204 | 28,141 | 21,129 |
| 2. Raw Materials ... | 47,510 | 24,391 | 59,229 | 25,439 |
| 3. Manufactured and partly Manufactured Articles ... | 33,127 | 15,196 | 15,166 | 9,570 |
| TOTAL ... | 124,216 | 65,791 | 102,536 | 56,138 |

The figures of Imports and Exports decreased in all classes as compared with the previous year.

The volume of Straits Produce shipped was in many cases less than in 1920.

Articles of Straits Produce on the whole gave smaller average prices than in 1920.

Tin.—The imports of tin and tin-ore were in 1921, 78,000 and 1,029,000 pikuls, respectively, as against 84,000 and 1,068,000 pikuls, respectively, in 1920 as shown below:—

| | <i>1920.</i> | | <i>1921.</i> | |
|---------------------|----------------|------------------|----------------|------------------|
| | <i>Tin.</i> | <i>Tin Ore.</i> | <i>Tin.</i> | <i>Tin Ore.</i> |
| | <i>Pikuls.</i> | <i>Pikuls.</i> | <i>Pikuls.</i> | <i>Pikuls.</i> |
| Malay States ... | 61,000 | 732,000 | 73,000 | 678,000 |
| Netherlands Indies | 1,000 | 146,000 | 1,000 | 169,000 |
| Siam ... | 5,000 | 143,000 | 4,000 | 104,000 |
| Other Countries ... | 17,000 | 47,000 | ... | 78,000 |
| Total ... | 84,000 | 1,068,000 | 78,000 | 1,029,000 |

The exports of tin in 1920 and 1921 were as follows:—

| | <i>1920.</i> | | <i>1921.</i> | |
|------------------------------|----------------|--------------------|----------------|-------------------|
| | <i>Pikuls.</i> | <i>Value.</i> | <i>Pikuls.</i> | <i>Value.</i> |
| | — | \$ | — | \$ |
| United Kingdom | 225,000 | 34,344,000 | 200,000 | 16,338,000 |
| United States of America ... | 472,000 | 73,095,000 | 330,000 | 27,573,000 |
| Other Countries | 131,000 | 20,325,000 | 174,000 | 14,534,000 |
| Total ... | 828,000 | 127,764,000 | 704,000 | 58,445,000 |

Para Rubber.—The imports of Para Rubber in 1920 and 1921 from the following countries were as follows:—

| | 1920. | | 1921. | |
|------------------|----------------|---------------|----------------|---------------|
| | <i>Pikuls.</i> | <i>Value.</i> | <i>Pikuls.</i> | <i>Value.</i> |
| | — | — | — | — |
| | | \$ | | \$ |
| Malay States ... | 1,305,000 | 120,454,000 | 1,923,000 | 47,766,000 |
| Netherlands | | | | |
| Indies... | 373,000 | 30,009,000 | 303,000 | 7,115,000 |
| Other Countries | 80,000 | 7,398,000 | 110,000 | 2,535,000 |
| Total ... | 1,758,000 | 157,861,000 | 2,336,000 | 57,416,000 |

The exports of Para Rubber in 1920 and 1921 to the following countries were as follows:—

| | 1920. | | 1921. | |
|------------------|----------------|---------------|----------------|---------------|
| | <i>Pikuls.</i> | <i>Value.</i> | <i>Pikuls.</i> | <i>Value.</i> |
| | — | — | — | — |
| | | \$ | | \$ |
| United Kingdom | 406,000 | 40,507,000 | 398,000 | 13,333,000 |
| United States of | | | | |
| America ... | 1,880,000 | 202,008,000 | 2,268,000 | 64,264,000 |
| Other Countries | 277,000 | 26,455,000 | 622,000 | 16,590,000 |
| Total ... | 2,563,000 | 268,970,000 | 3,288,000 | 94,187,000 |

It will thus be seen that there was a decrease in quantity of tin exported in 1921, and the value also decreased by nearly seventy million dollars.

As regards Para Rubber, both Imports and Exports showed large increases in quantity but decreases in value as compared with the previous year. The value of imports decreased by nearly 100 million dollars and that of exports by nearly 175 million dollars.

Imports.—In “Foodstuffs, drinks and narcotics,” decreased values are seen under the sub-heads cattle, swine, bread and biscuits, butter and cheese, coffee, fish dry and salted, beans and peas, bran, rice, wheat flour, arrack and samsoo, brandy, milk, sago flour, arecanuts, black pepper, cigarettes and vegetables.

Under the heading "Raw Materials," decreased values appear in tin, tin-ore, coal, copra, gutta inferior, Para rubber, sticklac, hides raw, kachang oil, rattans and timber, while enhanced values are apparent in benzine and petroleum.

In the "Manufactured Class," cotton piece-goods, yarns, apparel, sarongs, slendangs and kain, silk piece-goods, gunnies, cycles and accessories, hardware and cutlery, iron corrugated, iron nails, motor-cars, motor-cycles and accessories, steel, tin-plates, cement, chemicals, leather, boots and shoes, paper and paperware, perfumery and cosmetics, rubber tyres and woodenware show decreased values.

In quantities imported there were decreases under coffee, swine, beans and peas, bran, wheat flour, brandy, milk, arecanuts, sago flour, black pepper, pig iron, coal, ground-nuts, rattans, sandal wood, cotton piece-goods, canvas, steel, acetic acid and cement.

Increases in quantities are most noticeable in rice, fish dry and salted, salt, white pepper, sugar, cigarettes, copra, raw cotton, mangrove bark and cotton blankets.

Exports.—Exports of the following show declines in values:—

"Foodstuffs, drinks and narcotics"—

Swine, bread and biscuits, coffee, preserved pine-apples, beans and peas, bran, wheat flour, milk, oilman's stores, prepared chandu, sago flour, arecanuts, black pepper, sugar, tapioca and cigarettes.

"Raw Materials"—

Tin, copra, gum copal, gutta percha, gutta interior, Para rubber, sticklac, hides raw, coconut oil, kachang oil, rattans and planks.

"Manufactured Class"—

Cotton piece-goods, sarongs, slendangs and kain, yarns, gunnies, ironware, motor-cars, motor-cycles and accessories, crockery and porcelain, tanned hides, matches and woodenware, while increases are apparent in—

"Foodstuffs, drinks and narcotics"—

Eggs fresh and salted and rice.

"Raw Materials"—

Mangrove bark, phosphate of lime, and bees and other wax.

“Manufactured Class”—

Other manufactured textiles of sorts and telegraph and telephone materials.

The quantities of fish, dry and salted, tapioca, arecanuts, rice, salt, cigarettes, copra and phosphate of lime show an increase.

A decrease in volume is recorded of wheat flour, arrack and samsoo, beans and peas, milk, prepared chandu, sago, tin, Para rubber, rattans, sandalwood and cotton piece-goods.

Trade by Countries.—The following statement shows the position of the Colony in the years 1920 and 1921 as a market for British, European, American, Japanese and other foreign goods.

(The value of the trade in merchandise with the United Kingdom, Continent of Europe, United States of America, and Japan is shown in thousands of pounds sterling.)

| | | | | <i>Imports.</i> | | <i>Exports.</i> | |
|--------------------------|------------------------|-----|-----|-----------------|-------|-----------------|--------|
| | | | | 1920. | 1921. | 1920. | 1921. |
| | | | | — | — | — | — |
| | | | | £ | £ | £ | £ |
| United Kingdom | ... | ... | ... | 18,334 | 7,730 | 12,565 | 5,629 |
| Belgium | } Continent of Europe. | ... | ... | 328 | 132 | 585 | 96 |
| Denmark | | ... | ... | 83 | 89 | 2,332 | 181 |
| France | | ... | ... | 432 | 389 | 2,927 | 1,302 |
| Germany | | ... | ... | 231 | 103 | 307 | 1,238 |
| Holland | | ... | ... | 729 | 353 | 1,323 | 1,142 |
| Italy | | ... | ... | 664 | 362 | 808 | 419 |
| Norway | | ... | ... | 64 | 4 | ... | ... |
| Sweden | | ... | ... | 94 | 26 | 1 | ... |
| Spain | | ... | ... | 31 | 4 | 63 | 321 |
| United States of America | ... | ... | ... | 5,595 | 2,990 | 33,846 | 11,418 |
| Japan | ... | ... | ... | 5,437 | 2,627 | 1,918 | 2,030 |

The articles which gave the largest decreased values from the United Kingdom were cotton piece-goods, apparel, hosiery and millinery, corrugated iron, hardware and iron-ware including cooking utensils, yarns, steel, canvas, sarongs, slendangs and kains, motor-cars, motor-cycles and accessories, cycles, parts and accessories, cotton handkerchiefs and brandy.

From the United States of America decreases in imports are seen in cigars and cigarettes, tinned provisions including fruits, milk, rubber tyres, paper and stationery, motor-cars and accessories and increases in petroleum and lubricating oil.

From Japan the following show declines in imports:—

Coal, cotton piece-goods, apparel, and hosiery, cabinet and woodenware, matches and cement.

Exports to the United Kingdom showed advances in such articles as preserved pineapples and oil cakes, but decreases took place in tin, sago, pepper, tapioca, Para rubber, rattans, gutta percha, copra, gambier, hides and illipi nuts.

In our Exports

to France—Sago,

to Italy—Preserved pineapples,

to Denmark—Para rubber,

all advanced, declines being seen in tin, copra, pepper, Para rubber and illipi nuts to France; copra, sago and Para rubber to Italy; and copra and sago to Denmark.

The principal exports to Belgium were sago, copra, and Para rubber; to Holland copra, rattans, sago and Para rubber; to Spain copra and sago, and to Germany copra, rattans, Para rubber, peppers, tapioca and tin.

Exports to the United States advanced in value of pepper, but tin, gambier, tapioca, copra, rattans, gutta inferior, gutta percha, Para rubber and gum copal fell in values.

Exports to Japan showed increases in values of raw cotton, copra, gutta percha, rattans and Para rubber, while declines are seen in shells, tin and gunnies.

There was a fall in the total value of exports to Australia and New Zealand, Netherlands Indies, Malay States, French Indo-China, North Borneo and Sarawak, British India and Burma, Siam and Siamese States and Hongkong and China.

A Committee was appointed early in 1920 to inquire into the system of the Registration of Imports and Exports in the Straits Settlements and Federated Malay States and to make proposals for the proper compilation and co-ordination of the statistics of British Malaya. The Committee met in Kuala Lumpur and a report was consequently drawn up and sent in to Government in November, 1920. As a result a monthly return of Imports and Exports in British Malaya was compiled and published from July, 1921 onwards.

Registration of Joint Stock Companies.—1921 was the sixth year during which the Companies Ordinance, 1915, was in force. Twenty-nine new companies were registered, one without share-capital and twenty-eight with a capital of \$16,270,000; of which 21 were private companies with a capital of \$14,640,000.

At the end of the year 381 companies remained on the register of which 38 were in liquidation. The total subscribed capital of the 332 companies which carry on a business was \$164,053,810.

Four hundred and forty-three companies not incorporated in the Colony, have filed documents under the Companies Ordinance; of these, 344 are British, 31 are Japanese, 25 are Dutch and 21 are incorporated in the United States, America. Apart from these 12 companies of which 11 are British have complied with the Life Assurance Companies Ordinance, and private Ordinances have been enacted in respect of five foreign companies. Sixty-two companies do Fire Insurance business.

(c) FORESTS.

The area of reserved forests was increased by the addition of 754 acres to the Tanjong Burong Reserve in the Dindings, and by about 200 acres at Cape Rachado. The total area of reserved forests is now 107,122 acres, equivalent to 11.1 per cent of the total area of the Colony, and the reservation of a further 2,528½ acres in the Dindings is under consideration.

Revenue and expenditure were \$43,837 and \$50,572 respectively, compared with \$57,268 and \$42,849 in 1920. There was therefore a deficit of \$6,735. Revenue in Singapore increased from \$12,979 to \$16,678, owing chiefly to the transfer of \$3,000 from deposits to revenue. In all other Settlements the revenue fell, the most important decrease being that from \$23,245 to \$10,341 in Malacca due to the gradual exhaustion of Crown Land and the fall in premia on forest areas alienated. A rise is however expected when trade conditions improve and the effects of the better administration of the forests make themselves felt.

The out-turn of timber was 9,835 tons, and of fuel 24,375 tons, compared with 10,837 and 27,358 tons the previous year.

Planting of mangrove was continued in the Tanjong Burong Reserve in the Dindings, where about 246 acres which had been exploited in previous years were planted with bakau minyak at a cost of \$3.25 per acre. The area should have been planted up by the felling contractors, who paid the department \$1,400 for failure to do so. About 1,000 seedlings were protected against the attacks of crabs by means of pieces of tin bent round the stem just above the ground. These were planted alternately with unprotected seeds, and at the end of the year it was found that 84 per cent of the protected and only 60 per cent of the unprotected had survived. The experiment is being continued.

Breaches of the forest law were reported to the number of 104 of which 67 were compounded, and 33 were taken to court, and 4 were pending at the close of the year. Fines inflicted in court amounted to \$445 in addition to \$39.16 awarded as compensation for damage to the forest. In the compounded cases a sum of \$872.50 was paid.

A complete scheme for the amalgamation of the forest departments of the Federated Malay States and the Colony was submitted towards the close of the year and has actually been carried into effect pending a settlement of the financial arrangements to be made. The two senior rangers belonging to the Colony have been transferred to the Federated Malay States, and Federated Malay States officers are now entirely responsible for all the purely administrative work.

(d) AGRICULTURE.

Rubber.—The year under review must be described as the worst, from a financial point of view which the plantation rubber industry has ever suffered. This state of affairs was due entirely to general world conditions and was reflected in most agricultural industries in other parts of the world. The market price of rubber was low throughout the year, as will be seen in the table below, which gives the Singapore prices during the year.

SINGAPORE PRICE.

CENTS PER LB.

| | Jan. | Feb. | March. | April. | May. | June. | July. | August. | Sep. | Oct. | Nov. | Dec. |
|---------------------------------|--------|--------|--------|--------|--------|-------|--------|---------|---------|---------|--------|---------|
| Standard ribbed sheet | 32-37 | 34-37½ | 30-33 | 30-32 | 28-29½ | 21-26 | 28-31½ | 26½-28 | 26½-30½ | 30½-33½ | 33-38 | 36½-39½ |
| Second quality ribbed sheet ... | 20-33½ | 20-35½ | 20-32 | 17-31 | 16-30 | 11-25 | 15-31 | 19-27½ | 20-30 | 23-33 | 25½-38 | 31½-39½ |
| Standard 1st Latex crepe ... | 34-37 | 35½-39 | 36½-39 | 34½ | 32½-33 | 25-28 | 30-32 | 27½-29½ | 27½-30½ | 29½-31½ | 32-37½ | 36-39½ |
| Second quality latex crepe ... | 20-36½ | 20-35½ | 19-32 | 17-31 | 16-30 | 11-25 | 16-32 | 21½-29½ | 20-29 | 22-32 | 25-37½ | 31-39 |
| Lower grade crepe ... | 11-26½ | 12-26½ | 10-26 | 9½-23½ | 9½-24½ | 4½-20 | 8-25 | 13-22½ | 11½-23½ | 17-27 | 18-34 | 24-35½ |
| Bark Crepe ... | 10-17 | 10-15½ | 8-14 | 8-13 | 8-16 | 4-10½ | 5-14½ | 13-15 | 11½-18 | 17-21½ | 18-27 | 24-29 |

A number of estates ceased tapping and reduction of output was effected on other estates by alternate day tapping or adoption of resting periods. Conditions at the end of the year indicated little or no improvement in the market.

The two diseases of the rubber tree which have received special attention during the year are Pink Disease (*Corticium Salmonicolor*) and Mouldy Rot (*Sphæronema fimbriatum*).

Two cases of Pink Disease were found in Malacca, where the disease was almost unknown.

Three cases of Patch Canker were observed on an estate in Malacca and also one case of Mouldy Rot.

The appointment of two Assistant Agricultural Inspectors, enabled systematic inspection and supervision to be undertaken. No serious outbreaks of disease were recorded in the Colony during the year.

In spite of the present over-production, considerable interest is being taken in methods of improvements of yield of rubber by bud-grafting and seed selection. Experimental work is being continued in this connection. More attention is also being paid to soil and water conservation on hilly and undulating land by means of scientific methods of drainage, silt-pitting, terracing, etc., and cultivation of cover crops.

Coconuts.—Coconut cultivation still continues to be a steady and sound agricultural industry. The price of copra has been maintained at a fairly satisfactory level throughout the year, although the prices are below those for 1920.

The price of nuts in the coast district has ranged from 4 to 5 cents compared with 4 to 10 cents in 1920 while prices in inland districts have ranged from 6 to 15 cents compared with 15 to 20 cents in 1920.

The price of copra has ranged from \$10 to \$16 per picul compared with an average price of \$22 per picul in 1920.

The present price is only slightly above that prevailing in 1912–1913 but is sufficient to give a reasonable profit.

Considerable attention has been paid to the clearing up of small holdings during the year and also to the destruction of refuse heaps which constitute favourable breeding grounds for the Black Beetle and the Red Stripe Weevil.

These pests have been in evidence in Province Wellesley, Malacca and Singapore. There still remain large numbers of decaying coconut stumps and logs, cut probably in 1915–1916 and all liable to be badly affected with the grub of the Black Beetle.

The work in Malacca has had satisfactory results, while progress in Singapore has been slow, but is improving.

A suitable, cheap and effective incinerator for the destruction of village refuse was designed by the Government Entomologist and Chief Agricultural Inspector.

Tractor cultivation is being carried out on a number of coconut estates and found to be very effective in controlling weeds and for cultivation purposes.

Investigations have been carried out on Bud-rot of coconut palms and on the Black Beetle and Red Stripe Weevil and considerable progress in our knowledge of these pests has been made. Further work on *Plesispa Reichei* and *Brachartona catoxantha*, two important pests of coconuts have been carried out.

The latter pest was prevalent in Province Wellesley and the Geylang district of Singapore during the year.

Investigations on seed selection are also being carried out.

Rice.—Seed selection investigations are being continued with satisfactory results.

In Malacca in 1921 the crop was reported to be good. Planting during the 1921 season however was irregular, due to an outbreak of rinderpest, which killed a number of buffaloes and reduced the area which could be planted. The earlier planted portion was ripening at the end of the year but the later planting is suffering from drought.

In Province Wellesley the crop appeared fair but will not be as good as the unusually good crop harvested in 1921.

The padi at Balik Pulau (Penang) yielded well in 1921 and promises well for 1922.

The gross yield of wet padi in 1921 on an area of 74,835 acres was 21,787,700 gantangs giving an average of 291 gantangs per acre.

The principal enemies of padi in Malaya are insects and a number of investigations are in progress in connection with their control.

The practice of allowing padi stubble and self-grown padi to grow between the padi season is undesirable, since ideal conditions are maintained for the insects to remain and propagate till the next season. Stem borers are distributed generally in the padi areas. *Podops coarctata* (Bena Kuru or Kutu Bruang) was reported in Malacca. It causes damage only when the padi areas are too dry.

Leptocorisa variconis (Pianggang) also caused damage to padi in Malacca. Rats have caused considerable damage

during the past year in all parts of the country, but chiefly on sawahs adjoining jungle land in Malacca. Poisoned baits appear to be eaten readily but the exact effect is not easy to ascertain, owing to the difficulty of finding the dead rats. The Malays in Malacca however appeared to be satisfied with the results obtained.

The chief difficulty is that the owners of holdings take no steps to keep down the numbers, until the rats commence to attack the padi, by which time they are numerous. Useful results can only be obtained by trapping and poisoning during the whole season. Stocks of poison have now been purchased by the Department for distribution.

Other Crops.—Investigations in connection with other crops are being carried out by the Department on the New Experimental Plantation at Serdang in the Federated Malay States, which it is hoped will result in information enabling the Department to recommend the planting of crops other than rubber.

(e) LAND.

(i).—LAND TENURE.

Singapore.—Land in the hands of private owners in Singapore is held direct from the Crown either by lease or grant. The earliest of the existing titles are the 999 year leases issued for land in the town soon after the founding of Singapore.

The first of the present 99 year leases for land in the town were issued in 1838.

From 1845 onwards a large number of free-hold grants were issued for land outside the limits of the town. The margin allowed for the expansion of the town was however insufficient with the result that land in the most densely crowded part of the present town is held under these titles, which were originally issued for land required for agricultural purposes. In the case of town lands the issue of 99 year leases continued.

After the transfer to the Colonial Office in 1867 the titles issued for land both in town and country were 99 year leases and 999 year leases. Ordinance No. II of 1886 provided for a Statutory form of Crown Title—the present Statutory Land Grant, which is a grant in perpetuity subject to a quit-rent, the form of which was simplified by the omission of various covenants and conditions previously inserted in leases, most of which are implied by virtue of the Statute.

The Statutory Grant is now the usual form of title issued but leases for 999 and 99 years and for shorter periods are still occasionally issued in particular cases. Monthly and

annual permits are also issued for the temporary occupation of Crown Land. Leases of foreshore can be issued under Ordinance No. 69 (Foreshores) for terms which must not exceed 100 years except in special cases with the approval of the Secretary of State.

Penang.—Land in Penang and Province Wellesley is held of the Crown, as in Singapore, by grant or lease. The conditions of tenure vary according to the policy of the Government at the time the documents were issued. In Singapore eighteen and in Penang twenty different kinds of title are in the hands of the public. Unoccupied Crown land is obtainable on Statutory Grants as in Singapore, and Statutory Grants are also being substituted for Permits and Expired Leases. Alienation of foreshore is subject to Ordinance No. 69 (Foreshores).

The rates of rent reserved in old leases vary in different localities.

Malacca.—The tenure of land in the town of Malacca has remained unchanged since the days of Dutch rule. Possession is evidenced in many cases by documents of title in Dutch. Occupied land in the country is, in some cases, held either under grant or lease from the Crown, but for the most part according to customary tenure as defined by the Malacca Lands Ordinance. There is special legislation, Ordinance No. 69, for alienation of foreshore.

The principal land revenue consists of rents on rubber, tapioca and gambier leases and of mukim assessment under customary tenure.

(ii).—LAND REVENUE.

The Revenue in 1921 was thus distributed:—

| — | | Land Revenue. | Reimbursements. | Land Sales. | Total. |
|-----------|------|---------------|-----------------|-------------|-----------|
| | | \$ | \$ | \$ | \$ |
| Singapore | 1920 | 247,794 | 19,028 | 1,792,913 | 2,059,735 |
| | 1921 | 266,844 | 22,769 | 104,439 | 394,052 |
| Penang | 1920 | 214,057 | 21,194 | 21,424 | 256,675 |
| | 1921 | 216,982 | 23,927 | 13,358 | 254,267 |
| Malacca | 1920 | 571,400 | 16,078 | 313,700 | 901,178 |
| | 1921 | 523,055 | 5,952 | 34,247 | 563,254 |
| Labuan | 1920 | 4,037 | 4,266 | 1,027 | 9,330 |
| | 1921 | 4,604 | 5,048 | 422 | 10,074 |
| Total | 1920 | 1,037,288 | 60,566 | 2,129,064 | 3,226,918 |
| | 1921 | 1,011,485 | 57,696 | 152,466 | 1,221,647 |

(iii).—ALIENATION OF LAND.

The area of Crown Land alienated, and the number of Statutory Grants issued during the last five years together, with the amount of premia paid in respect of the same, are shown in the following table:—

Singapore.

| | 1917. | 1918. | 1919. | 1920. | 1921. |
|---------------------------------------|------------|-----------|-----------|-------------|----------|
| | A. R. P. | A. R. P. | A. R. P. | A. R. P. | A. R. P. |
| Area granted ... | 2,034 3 10 | 599 0 03 | 392 3 25 | 340 3 34 | 454 2 17 |
| | sq. ft. | sq. ft. | sq. ft. | sq. ft. | sq. ft. |
| „ Town Lots | 61,182 | 237,980 | 204,130 | 131,908 | 49,766 |
| Number of Statutory Grants issued ... | 87 | 79 | 83 | 88 | 30 |
| Premia paid ... | \$76,113 | \$291,273 | \$348,235 | \$1,780,736 | \$92,308 |

Penang.

| | 1917. | 1918. | 1919. | 1920. | 1921. |
|---------------------------------------|----------|----------|------------|-------------|-------------|
| | A. R. P. | A. R. P. | A. R. P. | A. R. P. | A. R. P. |
| Area granted ... | 636 1 10 | 472 0 19 | 16 1 32 | 556 3 00 | 824 1 5 |
| | sq. ft. | sq. ft. | sq. ft. | sq. ft. | sq. ft. |
| „ Town Lots | 9,015 | 12,228 | Nil. | Nil. | 12,357 |
| Number of Statutory Grants issued ... | 288 | 151 | 1 | 83 | 84 |
| Premia paid ... | \$8,022 | \$4,109 | \$2,457.50 | \$15,422.00 | \$11,061.50 |

Malacca.

| | 1917. | 1918. | 1919. | 1920. | 1921. |
|---------------------------------------|------------|------------|------------|------------|------------|
| | A. R. P. | A. R. P. | A. R. P. | A. R. P. | A. R. P. |
| Area granted ... | 7,113 2 28 | 8,721 0 12 | 4,214 0 08 | 1,919 2 38 | 1,590 1 32 |
| | sq. ft. | sq. ft. | sq. ft. | sq. ft. | sq. ft. |
| „ Town Lots | ... | 738 | 20,190 | 15,957 | 6,522 |
| Number of Statutory Grants issued ... | 494 | 286 | 219 | 108 | 39 |
| Premia paid ... | \$143,267 | \$172,622 | \$77,207 | \$50,170 | \$42,790 |

Labuan.

| | 1917. | 1918. | 1919. | 1920. | 1921. |
|---------------------------------------|----------|--|-------------------------------|------------|---|
| | A. R. P. | A. R. P. | A. R. P. | A. R. P. | A. R. P. |
| Area granted ... | 185 2 12 | ... | ... | 1,403 1 26 | 185 0 16 |
| „ Town Lots | 0 2 13 | 0 4 10 | 17 1 17 | ... | 5 0 00 |
| Number of Statutory Grants issued ... | 62 | 39 | 73 | 290 | 221 |
| | | (18 new Grants & 44 in exchange for old titles.) | (in exchange for old titles.) | | (190 new Grants, 15 in exchange for old titles & 16 sub-division grants.) |
| Premia paid ... | \$460 | \$83 | \$36 | \$1,027.64 | \$422.60 |

III.—Legislation.

The Ordinances passed during the year 1921 were 39 in number, including two Supply Ordinances. Sixteen of these are purely amending Ordinances.

2 The most important of the Ordinances which are not purely amending Ordinances are:—

- (i) The Income Tax Ordinance (No. 1) which reproduces and continues with some variations the Income Tax Ordinance, 1920 (No. 3).
- (ii) The Maintenance Orders (Facilities for Enforcement) Ordinance (No. 8) which provides for the enforcement in the Colony of maintenance Orders made in England or Ireland or *vice versa*.
- (iii) The Straits Settlements Loan Ordinance (No. 11) which authorises the Governor to raise a loan not exceeding \$20,000,000 and to lend the whole or part of the sum so raised to the Government of the Federated Malay States.
- (iv) The Machinery Ordinance (No. 20) which consolidates the law relating to machinery and provides for the inspection of boilers, engines and other machinery and for regulating their control and working.
- (v) The Indemnity Ordinance (No. 21) which first provides for the indemnity of all those who acted during the war in good faith on behalf of the Government, secondly limits the time within which actions may be brought against the Government for acts done during the war, and lastly limits in the absence of a definite previous agreement claims in respect of damage to property or in respect of requisitioned or controlled shipping.
- (vi) The Straits Settlements Loan Ordinance (No. II), (No. 24) which authorises the Straits Settlements Government to raise a loan of £10,000,000 and to lend the money so raised to the Federated Malay States Government.
- (vii) The Rubber Dealers Ordinance (No. 27) which consolidates the law in regard to Rubber Dealers.
- (viii) The Statistics Ordinance (No. 28) which provides for the establishment in the Colony of a Statistical Bureau for the collection and arrangement of information relating to various interests with which the Colony is concerned.

- (ix) The Volunteer Ordinance (No. 30) which replaces the forces (other than Regular forces) existing in the Colony by the establishment of a Volunteer force.
- (x) The Food Control Ordinance (No. 31) which provides for the maintenance of an adequate supply of food in the Colony.
- (xi) The Reciprocal Enforcement of Judgments (No. 34) which facilitates the Reciprocal Enforcement of Judgments and Awards in this Colony and other parts of His Majesty's Dominions or Territories under His Majesty's Protection.
- (xii) The Rent Restriction Continuation Ordinance (No. 35) authorising the extension for six months of the operation of the Rent Restriction Ordinance, 1921, which would otherwise have expired at the end of 1921.

The principal amending Ordinances are :—

- (i) The Courts (Amendment) Ordinance (No. 12) which empowers Judges of the Supreme Court of the Colony to sit as ex-officio Judges of the State of Johore and *vice versa* and secondly provides for special remuneration of duly qualified persons other than salaried public servants appointed temporarily to act as Judges. This Ordinance was repealed by the Ordinance mentioned in (iii) below and its provisions embodied in Ordinance No. 101 (Courts).
- (ii) The Municipal (Amendment) Ordinance (No. 14) which provides for the control, by licence, of market vendors and for the licensing of places in which human food or drink is sold or prepared or stored for sale. This innovation was necessary for the purpose of preventing the rings, which had control over the stall-holders in the markets, from selling fresh provisions at an unduly high price. This Ordinance was repealed by the Ordinance next mentioned and its provisions embodied in Ordinance No. 135 (Municipal).
- (iii) The Statute Laws (Revised Edition) Operation Ordinance (No. 26) which amends the Revised Edition of the Laws of the Colony in accordance with the amendments in 1920 and 1921 of such Ordinances as are included in the Revised Ordinances.

IV.—Communications.

(a) POSTAL, TELEGRAPH AND TELEPHONE SERVICES.

- A. Letters addressed to foreign countries ... } First oz. ... 12 cents.
 ... } each succeeding oz. 3 „
- B. Letters addressed to places in the British Empire except those places named in C. ... } Per oz. ... 6 „
- C. Letters addressed to places in the Straits Settlements, the Federated Malay States, Kedah, Perlis, Kelantan, Johore, British North Borneo, Sarawak, Brunei, Trengganu and Kemaman ... } First two ozs. ... 5 „
 ... } each succeeding one ounce or fraction thereof 1 cent.
- D. Postcards addressed to:—
- (i) Foreign countries ... 8 cents.
- (ii) Places in the British Empire except those named in C ... 4 „
- (iii) Countries named in C ... 2 „
- E. Printed Papers, for every two ozs. ... 3 „
- except that the rate of postage on a newspaper
- (a) printed and published within the Straits Settlements or in any British Possession or Protected State in Malaya; or
- (b) registered as a newspaper at the General Post Office, London, if posted in the Straits Settlements addressed to any place in the Straits Settlements, Federated Malay States, Johore, Kedah, Kelantan, Perlis, Trengganu, (including Kemaman), British North Borneo, Sarawak or Brunei, is 2 cents for any weight not exceeding 4 ounces, and 2 cents for every additional 2 ounces, provided that the postage on a single newspaper shall not exceed 4 cents, and provided that no enclosure which is not part of the newspaper or a supplement thereto is enclosed with the newspaper. If two or more copies are sent in a single packet, each newspaper shall be liable to the same postage as if posted separately, but in no case shall a packet of such newspapers be chargeable with a higher rate than that chargeable on a packet of printed papers of the same weight.

The number of postal articles (excluding parcels) posted in the Colony was 12,762,832, an average of 14.44 per inhabitant, as against 16.09 the average in the previous year. The number received for delivery was 10,369,760, as compared with 11,651,860 in 1920. The number of messages forwarded over Government Telegraph lines during the year 1921 was 496,819 as compared with 578,006 in 1920, whilst the number received over the Government Telegraph lines decreased from 488,931 in 1920 to 370,236 in 1921. The number of subscribers to the Government telephone exchanges increased from 936 to 1,038.

The amount at the credit of depositors in the Government Savings Bank on the 31st December, 1921 was \$1,772,240.08, an increase of $\frac{1}{2}$ per cent as compared with the amount on December 31st, 1920. The average amount at the credit of each depositor was \$181.99. There was a profit on the year's working of \$25,987.46. The estimated present value of the investments is \$1,526,063.65.

In addition to the General Post Office, Singapore, and the Chief Post Offices at Penang, Malacca and Labuan, there are 38 Sub-offices in the Colony, including the Railway Post Offices at Bukit Timah (Singapore), Jarak, Kreh, Penanti, Pinang-Tunggal, and Simpang Ampat (Province Wellesley). Of these 22 are Telegraph Offices.

The operations of the Money Order Branch amounted in 1921 to \$6,384,428, the principal business done being with India, Federated Malay States, Ceylon, United Kingdom, Netherlands East India and United States of America.

Ten Submarine Cables radiate from Singapore:—

| | | |
|--------------|---------------------------|-----|
| To Madras | ... 1 Direct. | |
| Penang | ... 4, thence to Madras | (2) |
| | " " Colombo | (1) |
| | " " Deli | (1) |
| Batavia | ... 1, thence to Cocos | (1) |
| Banjoewangie | ... 1, thence to Darwin | (2) |
| Hongkong | ... 1 Direct. | |
| Cochin China | ... 1, thence to Hongkong | (1) |
| Labuan | ... 1, thence to Hongkong | (1) |

There are also Government telegraph lines from Penang to Province Wellesley, and thence to Perak, Selangor, Pahang, Negri Sembilan, Kedah, Perlis, Kelantan, Trengganu, Siam, Johore, Malacca, and Singapore. The land line from Singapore to Penang *via* Kuala Lumpur was opened for traffic in June, 1909. There are 790 miles of

telegraph lines, 36 miles of submarine cable between Penang and Province Wellesley and 2 miles between Singapore and Johore, and there are 21,081 miles of telephone line. The Telephone Exchange in Singapore is worked by the Oriental Telephone Company and the Exchanges in Penang, Province Wellesley and Malacca are worked by the Post Office.

(b) COMMUNICATION BY SEA.

Over 50 lines of sea-going steamers touch at Singapore. There is regular communication with Europe weekly by British India steamers *viâ* Negapatam and Bombay, and fortnightly services by the Peninsular and Oriental and Messageries Maritimes vessels *viâ* Ceylon; in addition there is a fortnightly service by the Steamship Company *Nederland*; and at frequent intervals by the Holt's, Chargeurs-Reunis, Glen, Shire, Japanese and other lines; with China and Japan twice a fortnight by the P. & O. and M. M. lines, and by other lines frequently; with Cochin China weekly by the Messageries Maritimes; with Manila *viâ* Hongkong and by Spanish packets direct; with Bangkok by Straits Steamship and other steamers; with Batavia and other Netherlands India ports by Netherlands India Company's steamers; with Australian ports frequently by British India, Burns Philip, Ocean Steamship Co., Western Australia Steam Navigation Co., and other lines direct, and occasionally *viâ* Colombo, with the sailings thence of Orient Packets; with Madras (direct), and other ports on the Coromandel Coast, weekly by the British India Company's steamers; and with Rangoon and Calcutta weekly by the Indo-China Steam Navigation Co., British India, Apcar, and other steamers. In addition to the above, there is frequent communication with Penang, Malacca, and ports of the Native States, Hongkong, etc., by local lines. Most of the larger steamers call at Penang. Letters from England reach Singapore in from 23 to 27 days. Services have not yet become normal.

(c) RAILWAYS.

There is a railway from Singapore to Woodlands on the Johore Straits, communication between Woodlands and Johore being maintained by steam ferries. The Federated Malay States Railway extends from Parit Buntar in Krian through Province Wellesley to Penang which is reached by steam ferries from the mainland. There is a railway from Malacca to Tampin in Negri Sembilan. All the railways have a gauge of one metre and connect with the Federated Malay States Railway System, a continuation of which through Johore was opened in 1909. Progress was made in 1921 with the construction of the causeway

across the Johore Straits to connect Singapore with the mainland. This causeway will greatly facilitate the direct transfer of goods to the Federated Malay States from the Tanjong Pagar Wharves. The extensive docks owned by the Tanjong Pagar Dock Company were acquired by the Government in 1905 and are now controlled by a Board composed of members appointed by the Governor.

The Railways in Christmas Island connecting South Point with the loading piers at Flying Fish Cove were all completed in 1921. Phosphate can now be conveyed by railway across Christmas Island and shipped.

There are electric tramway systems in Singapore and Penang.

(d) ROADS.

The metalled roads of the Colony (exclusive of those maintained by the Municipalities of Singapore, Penang and Malacca) are Singapore 97 miles; Penang and the Dindings 72 miles; Province Wellesley 167 miles; Malacca 239 miles; Labuan $4\frac{1}{2}$ miles.

In addition there are 33 miles of gravel road in Malacca and 132 miles of natural road in Singapore, Penang, Province Wellesley, the Dindings, Malacca and Labuan.

In 1921 in Singapore a further two miles of road was converted from laterite to granite while various other portions totalling one and one-half miles were raised and metalled with granite. Asphalt surface was provided for seven and three-quarter miles of road.

In Penang three miles of main road were re-metalled.

In Province Wellesley the bridge across the Muda River which flows between the Northern boundary of Province Wellesley and Kedah was finished and some two and a half miles of main road were re-metalled under the reconstruction scheme.

In Malacca about eleven and one-half miles of main road were reconstructed, granite being substituted for laterite.

V.—Food Control.

Rice-crop prospects at the close of 1920 in Burma, Siam and Saigon were unexpectedly good and would have justified decontrol early in 1921 but for the comparatively large and high cost Government stock which it was decided should be previously cleared. This stock consisted of 74,500 tons, 40,000 tons of which had been purchased in December, 1920, at an average price of 50 cents a gantang, before the new rice-crops were assured.

As soon as the new padi prospects were ascertained, the Food Controller made public declarations of Government's policy, which was to remove all restrictions at the earliest possible date, to restore the trade to its pre-control activities, and to dispose of Government's present stocks in hand and sight at the earliest opportunity.

As it was necessary to have stocks ready to take the place of Government stocks when the latter were exhausted arrangements were made in January with the Importers in Singapore to have imported by the 4th April, 18,000 tons of rice to be kept in reserve to replace Government's stocks on decontrol. As compensation for this tying up of the Importers' capital, a six weeks' monopoly of import was granted to them from such date as decontrol was declared. In Penang, where the liquid capital of the importers, who were also the wholesalers, was already being utilised in the purchase and distribution of Government stocks, 5,500 tons only were imported.

The controlled retail price of rice to consumers in the Distributing Centres of Singapore and Penang was on January 1st, 1921, \$1, in Malacca \$1.07, and in the Federated Malay States \$1.05, per gantang. On the 10th of January, 1921, in view of the seriousness of the industrial position, these prices were reduced to 80 cents, 86 cents, and 84 cents respectively, with an additional loss to Government of \$3,700,000. A further reduction to 70 cents in Singapore and Penang, 77 cents in Malacca and to 75 cents per gantang in the Federated Malay States, was introduced as from the 1st of February. This last reduction cost Government no additional loss, the revised prices representing the average cost of the old Government stock and of the 40,000 tons new stock purchased in December, 1920. There was no further change of price till the 1st of May, when all control over prices was removed.

On the 1st of February, the first steps in decontrol were taken, when transport-forms and retail licences were abolished and Government ceased supplying retailers and Estates direct. From this date onward Government sold in Singapore and Penang to licensed wholesalers only who in turn supplied local retailers and Estates in the Colony and wholesalers and Estates throughout the Federated Malay States. In this way the Trade was enabled gradually to resume its old functions.

On the 16th February, the Rice Distribution Board ceased its operations which during the most critical period of control had been of great assistance to Government and of invaluable service to the community.

Complete decontrol of prices was not declared till May 1st. The causes of this delay lie in the fact that at the close of 1920 Government when it was still supplying the Governments of Sarawak and British North Borneo and when crop prospects were still uncertain, purchased from considerations of public security the 40,000 tons referred to above. Good crops however and general trade depression combined steadily to reduce the market price of rice with the result that, control prices being in excess of market prices, there was at once a reduced consumption of Government stocks coupled with a marked stimulus to the local padi-pounding industry. Consumption was also reduced by the uncertainty of further reductions in controlled prices and the consumer's fear of being left with higher priced stocks in hand.

To accelerate the clearing of Government stocks, no rice was allowed to be imported except with the consent of the Food Controller. The Chinese Mills in Penang, and from the 18th of March, the Government mill at Bagan Serai were for this same reason prohibited from selling their local millings, though they were encouraged to mill in order to have stocks ready for the day of decontrol.

Decontrol was declared on the 1st of May when all remaining restrictions on trade (subject to the six weeks' monopoly granted to those Importers who had brought in stocks) were removed. The powers of the Food Controller, however, to re-introduce restrictions in case of necessity remained. The remaining Government stocks amounting to 30,300 tons, equally distributed at Singapore and Penang, were sold by public tender at an average price of 29 cents per gantang in Singapore and 31 cents in Penang. At the same time the Importers' stocks that had been held in readiness were released, and with the assistance of local emergency reserves that had previously been distributed to Government agents throughout the country, a continuity of supply everywhere was maintained. Prices immediately fell to market level ranging from 60 cents Siam to 55 cents Saigon and 50 cents Rangoon and parboiled in Singapore and Penang and proportionately in Malacca and the Federated Malay States. Daily reports from all centres were received by the Food Controller till the situation had steadied.

Milk prices were decontrolled on the 23rd of May.

The necessity for the retention by the Food Controller of powers to control distribution was proved the following month (June) when as a result of speculations and an

unexpected shortage of stocks in Rangoon, the Burma Government found it necessary, suddenly and without warning, to suspend all rice exports not previously licensed. As Penang relies for its white rice supplies almost entirely on imports from Burma, it was found necessary immediately to prohibit the re-export of rice from Penang to non-Malayan countries. On the 26th July, the Burma Government sanctioned the additional export to the Straits of 15,000 tons, and on the 13th August a further 10,000 tons of which total three-quarters was allotted by the Food Controller to Penang. (Malaya's normal import of rice from Burma is 25,000 tons per mensem). For the same cause, on the 18th July, the export of rice from Singapore also was similarly prohibited except with the consent of the Food Controller, which was granted only in respect of stocks in excess of a margin of safety (in Singapore) of 25,000 tons. Rice exports from Singapore were resumed on the 1st of September, thanks to plentiful supplies of rice from Saigon and Siam and a good harvest in Java. In Penang however restrictions on export were maintained till the end of the year.

As the Imperial Order in Council of 1896 under which the Food Control Regulations of 1917 and 1918 were enacted, was liable to be withdrawn, a Food Control Bill consolidating the Food Control Regulations was introduced into the Legislative Council on the 5th September and finally passed (No. XXXI of 1921) after amendment by a Select Committee, on the 23rd November. The Ordinance as enacted is brought into operation only on declaration of a State of Emergency. It also provides for Advisory Committees in each Settlement together with the necessary Food Control Officers to be appointed subject to the said declaration. The period of operation is 21 days and may be renewed.

The Imperial Order in Council of 1896 and the Food Control Regulations Straits Settlements ceased to be operative in the Colony on the 9th December.

The Audited Accounts for the three years ending 31st December, 1921 show the total loss of the Food Control Department in all its activities to be \$41,880,773 19 which will be borne as follows by the three Administrations concerned: Straits Settlements $\frac{3}{8}$ ths, Federated Malay States $\frac{1}{8}$ th and Johore $\frac{1}{8}$ th.

Mr. F. M. BADDELEY, who was in addition appointed Under Secretary, Straits Settlements, with effect from the 1st of June, continued to perform the duties of Food Controller throughout the year.

VI.—Immigration.

(i).—CHINESE.

One hundred and ninety-one thousand and forty-three immigrants arrived from China by sea, the largest number since 1913; the figure is an increase of 51·5 per cent on that for 1920 and is only 29·2 per cent less than the figure for 1911, the record year.

As compared with the average for the previous ten years, 1911 to 1920, the number of arrivals in 1921 shows an increase of 19·4 per cent.

Adult males formed 72·6 per cent and adult females 15 per cent of the immigrants.

The increase in the number of immigrants is somewhat surprising in view of the stagnation in the tin and rubber industries; it may be ascribed to the unsettled political conditions in South China, the fall in passage rates due to competition from an increasing number of steamers employed on the China-Straits run, the reduced price of rice combined with a fairly steady rate of exchange ruling throughout the year.

(ii).—SOUTHERN INDIAN.

The total number of immigrants (deck passengers) arriving at Penang from Southern India during the year was 45,673 as compared with 95,220 in 1919.

The number of Indians leaving the Colony for Southern India was 61,551 as against 55,481 in 1919.

The figures for arrivals for the last four years are as follows:—

| | 1918. | 1919. | 1920. | 1921. |
|-----------------------|--------|---------|--------|--------|
| Assisted immigrants * | 55,583 | 88,021 | 78,855 | 15,413 |
| Other immigrants ... | 9,708 | 13,412 | 16,365 | 30,260 |
| Total ... | 65,291 | 101,433 | 95,220 | 45,673 |

The assisted immigrant consisted of 14,586 adults and 827 minors. Of the adults 12,211 were men and 2,375 women.

* "Assisted immigrants" are of two classes:—(i) the independent labourer who gets a free ticket from the Emigration Agent in India upon proof that he is a *bonâ fide* labourer, and who is free to work where he pleases; (ii) the Kangany labourer, who is recruited in India by a licensed Kangany, and who goes to a particular place of employment, though he is free, upon arrival there, to give a month's notice of his intention to leave. There is no indentured Tamil labour in the Colony.

The health of estates in Penang, Province Wellesley and the Dindings was very satisfactory during the year, the death-rate in Province Wellesley being 9·24 per mille and in the Dindings 4·10 per mille. Among the 153 labourers employed on estates in Penang there were no deaths.

During 1921, 5,977 adult and 1,583 minor, decrepit and destitute Indians were assisted with a passage back to India.

The rate of assessment to the Tamil Immigration Fund was fixed at \$2 for the first two quarters, \$1 for the third quarter and 50 cents for the fourth quarter of the year 1921.

The Income of the Fund was \$3,027,681.24 and its expenditure \$2,371,613.43.

(iii).—NETHERLANDS INDIAN.

The number of Netherlands Indian labourers on estates in the Colony is 3,410. No contracts under the Netherlands Indian Labourers' Protection Ordinance, 1908, are in force but approximately 122 local contracts for 300 days are in force in the Settlement of Penang.

VII.—Criminal and Police.

The total number of cases in which arrests were effected with or without warrant in the Colony during the year was 19,395 compared with 22,509 in 1920. There was however an increase compared with the previous year in serious offences such as murder and gang robbery. This increase in serious offences was largely due to unemployment. Singapore owing to its position is very liable to an influx of men from neighbouring countries who come to Singapore in search of employment. When they fail to find it some of them are apt to turn their attention to crime.

At the end of the year the strength of the Police Force was 2,996 (Europeans 96; Sikh Contingent 449; Malay and Indian Contingent 2,256; Eurasians 3; Detectives 192). In addition to this there are 335 Police employed by various Government departments, private firms and the Harbour Boards of Singapore and Penang.

Owing to a revision of the salaries of the Asiatic Police, for the first time for many years there was no difficulty in getting as many recruits of all nationalities as were required. The result was that more discrimination could be exercised in selecting recruits for admission and this should in time increase the all-round efficiency of the Force.

At the beginning of the year there were 835 prisoners in the three Criminal Prisons of the Colony (Singapore, Penang and Malacca); 4,988 were admitted during the year as compared with 3,847 in 1920, and 4,845 were discharged; 978 remained at the end of the year. There were 95 vagrants in the Houses of Detention at the beginning of the year; during the year 1,930 were admitted and 1,962 were discharged. Of the 1,962 vagrants discharged 40 found employment and 1,794 were repatriated.

"Middle-grade" prisoners are employed on industrial labour such as printing, book-binding and mat and basket-making. The "Upper-grade" men are mostly employed as cooks, orderlies, clerks, etc., the "Lower-grade" men at stone-breaking and the "Short Sentence" and "Revenue grade" men at stone-breaking, husk-beating and fatigue duties. The revenue of the department was \$11,555 besides which articles to the value of \$8,545 were supplied to Government Departments.

Prison offences showed an average of '8 per annum per prisoner as against '9 in 1920. The health of the prisoners and the sanitary condition of the prison were satisfactory.

VIII.—Vital Statistics.

(a) POPULATION.

At the census held on the night of April 24th, 1921, the total number of persons enumerated in the Straits Settlements was 881,939 of whom 557,838 were males and 324,101 females. The total increase since the 1911 census is 169,988 or 23·8 per cent. Males increased 92,203 or 19·8 per cent and females 77,785 or 31·5 per cent. The distribution among the Settlements was as follows:—

| | 1911. | 1921. |
|---------------|---------|---------|
| Singapore ... | 303,321 | 417,859 |
| Penang ... | 278,003 | 304,572 |
| Malacca ... | 124,081 | 153,599 |
| Labuan ... | 6,546 | 5,909 |

The total of 881,939 was made up of 8,045 Europeans and Americans, 9,015 Eurasians, 254,843 Malays, 497,406 Chinese, 104,498 Indians, and 8,132 other Nationalities.

Europeans have increased by 10 per cent. To a certain extent these figures are misleading as the European military population in Singapore was less by 564 in 1921 than in 1911.

Excluding the military population the European population of the Colony rose 21·7 per cent. The Eurasian population increased from 8,051 in 1911 to 9,015, an increase of 11·9 per cent. The increase in the Malay population was 15,349 or 6·4 per cent. The Chinese population increased from 368,564 to 497,406, an increase of 34·9 per cent. Chinese males increased by 24·0 per cent and females by 65·2 per cent. The increase in Chinese females was the outstanding feature of the census returns. The Indian population increased from 82,013 to 104,498 or 27·4 per cent.

(b) PUBLIC HEALTH.

The number of births and deaths registered during the year was 28,727 and 28,000 respectively.

The crude birth-rate was 32·57 per 1,000 against 29·63 in 1920. The percentage of males born was 52, females 48.

The highest birth-rate as reckoned by nationalities was 42·08 per mille and was classed as "Malays". The lowest was among Indians, 24·67 per mille.

The infantile mortality (deaths of children under one year) shows a ratio of 190·69 per thousand births against 194·86 in 1920.

The number of deaths from infantile convulsions was 3,724, against 3,557 in 1920: many of these deaths are due to tetanus of the new born.

There were 1,424 still-births in 1921 and 1,189 in 1920.

The crude death-rate was 31·79 per thousand, against 33·20 in 1920. The lowest death-rates in the last 10 years were 29·15 in 1915 and 30·70 in 1916: the decrease in mortality in those years was largely due to a war-time measure, the repatriation of thousands of decrepit Chinese to their native land. The highest death-rates in the past 10 years were 46·46 per thousand in 1911 a very malarious year, and 43·85 per thousand in 1918 when the influenza epidemic struck the country.

The highest racial death-rate for the year was 37·05 per mille under "Other Nationalities" and the lowest 9·05 per mille among Europeans.

The deaths from Pneumonia were 1,702, against 1,966 and from Influenza 262, against 362 in the previous year.

Beri-beri accounted for 1,272 deaths, against 1,026 in 1920, 1,430 in 1919, and 1,958 in 1918: the decrease since the latter year has been due to the greater use of parboiled

or undermilled rice supplemented by other articles of diet, in place of the highly milled Siam rice.

Malarial Fevers and Tuberculosis were responsible for 4,707 and 3,292 deaths respectively, against 4,690 and 3,336 deaths in 1920.

Dysentery caused 1,081 deaths and Diarrhoea 359, against 1,085 and 337 respectively in 1920.

Dangerous infectious diseases notified in the Colony have not played a large part in our mortality. There were 63 deaths from Cerebro Spinal Meningitis, 28 from Plague, 2 from Cholera and 47 from Small-pox. Forty-one of the 47 deaths from Small-pox occurred in Singapore where Small-pox was prevalent from May until the end of the year: the total of cases in Singapore during that period was 147.

(c) CLIMATE.

The climate varies but little during the year. The mean temperature in Singapore for 1921 was 81·2° F.; in Penang 81·8° F.; in Province Wellesley, 83·7° F.; and in Malacca, 80·0° F. The mean maximum and minimum temperatures were between 85·4° and 75·7° F. There are no well-marked rainy and dry seasons, the rainfall being pretty evenly distributed throughout the year. From carefully kept records of observations for a period of 10 years, from 1912 to 1921, it is found in Singapore that there is an annual average of 172 wet days; the average rainfall for the same period being 2555 m.m. In 1921 the mean rainfall in Singapore was 2575 m.m.; in Penang 3488 m.m.; in Province Wellesley 2409; in Malacca 2437 m.m.; and in the Dindings 1875 m.m. The force of the monsoons is not much felt, though the prevailing winds are generally in the direction of the monsoon blowing at the time, viz., S.W. from May to October, N.E. from November to April. But it is nothing unusual to have south-east, south or south-west winds for portions of the day as early as March or April.

The rainfall recorded was as follows:—

| 1921. | | | |
|--------------------|-----|-----|---------------|
| — | | | |
| Singapore | ... | ... | 2635·00 m. m. |
| Labuan | ... | ... | 3416·00 „ |
| Penang | ... | ... | 3488·00 „ |
| Province Wellesley | ... | ... | 2697·00 „ |
| Malacca | ... | ... | 2446·00 „ |
| Dindings | ... | ... | 1874·96 „ |

The mean temperature of the air throughout the year was 85.4°. The maximum recorded was 94.0° in Penang on April 13th and 93.0° in Malacca on December 24th. The minimum was 70° on January 9th and February 14th. The minimum in Singapore was 70.0° on June 9th.

IX.—Education.

The expenditure on the nine Government English schools was \$441,903.08, on the 40 Aided schools (English, Anglo-Tamil, Malay, Tamil and Chinese) \$532,232.01 and on the 194 Government vernacular schools \$287,469.44.

The Malacca Training College for Malay Teachers continued to do good work. Its cost, during the year under review, was \$36,355.12.

The numbers in Secondary Classes show an increase of 116 over the figures for 1919. The Normal Classes continued their work during the year, and 17 Normal Class Certificates were issued.

The teaching staff of the Department is still considerably short of its full complement of European Officers but with the improved rates of salary which were introduced at the beginning of the year the future in this respect can be faced with confidence. Six local teachers were sent to study at the Hongkong University where the number of such students is now eleven. The absence of facilities for higher education in Malaya renders it difficult to get teachers competent to take the higher classes but the opening of the Raffles College will be a definite step in the direction of creating a supply of trained and qualified teachers drawn from the pupils educated in the Colony's own schools.

A site for the Raffles College was selected, in the Economic Gardens at Singapore. Dr. R. O. WINSTEDT, D. Litt., was seconded in June to act as Principal of the College in order to carry out the preliminary arrangements for its inauguration. An Ordinance was drafted to incorporate a Finance Committee and an Executive Committee with power to deal with all matters of detail. The preparation of plans has been thrown open to competition, and as soon as plans have been accepted building will be pushed on so that the College may become a going concern at the earliest possible date. One of its most important functions will be the training of students of both sexes to become teachers in the higher classes in our English Schools.

The Chief Inspector of English Schools for the Straits Settlements and Federated Malay States arrived early in

the year. His duty is to ensure co-ordination and uniformity in the English education throughout the country, supplementing in this respect the work of the Inspectors of Schools in the several Settlements.

It had been hoped to commence the erection of three English Schools during the year, namely a new Secondary School at Penang and one Elementary School each at Singapore and Penang. Finances did not admit of this heavy expenditure being undertaken at the present time, but provision was authorised for the construction of two temporary school buildings, at Singapore and Penang respectively, to meet immediate needs in those places pending the time when permanent structures can be erected.

Arrangements were made for holding Evening Classes in commercial and technical subjects at Raffles Institution, Singapore. The response was very satisfactory, and the classes have since opened with a large attendance. A class in Shorthand was also held in Penang, with encouraging results.

Towards the end of the year a scheme of Agricultural education under the supervision of the Director of Agriculture was considered. It was arranged that the schools shall be visited by the Director of Agriculture and his Assistants, who are to advise on the suitability of available ground for school gardens, course of education, and to provide a supply of seeds, materials, etc. In Malacca there are already a number of school gardens.

The medical inspection of school children in Government and Aided schools was undertaken by the Medical Department, and a commencement was made, so far as the available staff of medical officers allowed, on lines which will place this important work on a systematic basis.

The Registration of Schools and teachers under the Registration of Schools Ordinance was carried out by the Education Department excepting in the case of Chinese Schools which were dealt with by the Chinese Protectorates. There was at first some reluctance on the part of Chinese Schools and teachers to register and an agitation was raised in favour of non-compliance. The agitation subsided after some prosecutions and the registration of all Chinese Schools and teachers was completed by the end of the year. The registration of other schools and teachers is still in progress and will soon be complete.

The services of the Physical Director of the Y. M. C. A. in Singapore were, by the courtesy of the Association, made available for the teachers and pupils in the schools and much useful work was done in this direction.

The preparation of text-books for the Malay Vernacular schools was continued. First edition of a Malay Dictionary for Malays, and Advanced Arithmetic for the Training College and a Jawi Reader for Standard II appeared. New editions of a Malay History and an Elementary Arithmetic were printed and a primer on Botany was sent to the press.

The new central College at Tanjong Malim for training Malay School Teachers for the Colony and the Federated Malay States is nearing completion and the students at the Malay College at Malacca will be transferred there when it is opened towards the end of the current year.

Malay vernacular education has broadly three functions to perform: (a) to teach the dull boy enough reading, writing and arithmetic to help him keep his accounts with the village shop-keeper or his employer; (b) to prepare the intelligent boy for that English education which is necessary if he is to aspire to well-paid business or Government; (c) to give the bright boy with a bent for manual work the ground work for prosecuting such work profitably. The first of these functions the Government Malay Schools have fulfilled with increasing success for several decades. The second they have taken up with vigour and most promising results of recent years. A little time ago European headmasters regarded the Malay pupil as backward and dull. For 1920 the Inspector of Schools, Penang, writes: "One of the classes of the Free School was composed of boys who had joined at the beginning of the year after passing Standard IV in a Malay School. In one year this class had advanced so far that the boys in it were able to take the *second* standard examination and succeeded in capturing the first half-dozen or so places". As for the third function, the introduction of basketry and gardening has already done much to inculcate the dignity of manual labour. And when the new Tanjong Malim College shall turn out teachers trained by an expert Agriculturist, an epoch-making advance it to be expected.

X.—General Observation.

Sir J. W. MURISON acted as Colonial Secretary from the beginning of the year until May 14th when Mr. F. S. JAMES, C.M.G., resumed that office on return from leave.

Sir WALTER SHAW arrived in the Colony and assumed duty as Chief Justice of the Straits Settlements on May 29th.

H.M.S. *Malaya* visited Malaya in January and February and the opportunity of seeing this great battleship was much appreciated by the people of the Colony.

Towards the close of the year the Colony received visits from Marshal JOFFRE and Viscount NORTHCLIFFE.

On August 15th a Commission was appointed to enquire into and report on

- (a) the present state of trade depression brought about in the main, by the continued depression in the Rubber Industry; and
- (b) the extension of credit facilities.

The Commission presented a Report dated October 1st, 1921.

A Commission was appointed in September to enquire into the financial position of the Municipality of Singapore and presented a Report before the end of the year.

The preparation of the site of the New General Hospital at Singapore was proceeded with.

An interesting event in the history of the ancient Settlement of Malacca took place on September 3rd when at Alor Gajah OMAR BIN HASAN was invested with the title of Orang Kaya Seri Raja Merah Dato Penghulu Naning and restored to the former position held by the Dato Naning before the Naning Wars of 1832-1833. The little State of Naning, which was founded by settlers from Sumatra about the middle of the 16th century, from its geographical position naturally fell under the sway, first of the Dutch and then of the British in Malacca but to this day has preserved intact the matriarchal Menangkabau (Sumatran) custom of the Sister States in the modern Negri Sembilan. The restoration to the present Dato of the ancient dignities of his position was a fitting reward for a century of loyalty to British rule.

Trade in the Colony as in nearly all other countries in the world has suffered from the after effects of the war. The export trade of the Colony was largely affected by the low prices of rubber and tin. The low prices for both these articles which prevailed throughout the year caused a very serious depression in the export trade and consequently in the import trade. The bad state of trade throughout the year resulted in a considerable amount of unemployment, both European and Asiatic. In February Government was requested to appoint an officer to deal with the question of European unemployment and a central committee was formed in Kuala Lumpur with sub-committees in Singapore, Penang and Ipoh. The Government of the Colony contributed \$10,000 and altogether subscriptions amounting to \$160,155 were received and \$143,187 was spent during the year. 630 applications for assistance were received

and of these 172 were found employment. Passages were granted to 180 men, 44 women and 24 children while financial assistance (including those who received money at their destinations) was given to 311 men, 120 women and 133 children. Including \$10,000 subscribed to the funds of the committee, Government spent \$66,311 on the relief of European unemployment during the year.

The labour position throughout the year caused some anxiety. As a result of the rubber slump, the majority of estates reduced their labour force to a minimum and stopped recruiting. As thousands of labourers return to India monthly either for a holiday or permanently whether times are good, bad or indifferent, this policy was bound in time to produce a shortage of Indian labour. Efforts were made to impress upon employers the necessity of recruiting sufficient labour to make good the wastage but very little recruiting was done. The position was difficult for, while it was clear to those who appreciated the position that there would ultimately be a shortage, there was actually for a short time a small surplus of labour in the country and this may have made employers hesitate about recruiting. During July, August and October there was a certain amount of unemployment among Indian labourers. The unemployed were looked after in camps erected by the Indian Immigration Committee. In October a shortage of labour supervened owing to the failure to make good the normal wastage and the few unemployed Indians were at once absorbed. In December a number of recruiting licences were taken out but the numbers leaving the country were still largely in excess of those arriving from India. There was no Indian unemployment at the end of the year.

It seems possible that the system of alternate-day tapping or some similar system, whereby all trees are not tapped continuously may assist in reducing the old demand for labour. Moreover, the practice of paying contract rates for tapping, which seems to be coming more popular, should have the same effect.

The Chinese Community like all other communities continued to suffer severely from the slump. There was some Chinese unemployment chiefly among coolies formerly employed in the mines or on railway construction but notwithstanding the general stagnation in the staple industries and in trade the large excess of new arrivals from China over returning emigrants appeared for the most part to be readily absorbed.

Trade was bad throughout the year which was one of the least prosperous in the history of the Colony. The depression was due to world-wide causes and the end is not yet in sight. In spite of many cases of suffering the situation has been faced by all classes of the community with patience and courage and the Colony may confidently rely on the spirit of its people to carry it through until a world revival brings commercial prosperity back to Malaya.

F. M. BADDELEY,
Acting Colonial Secretary.

4th August, 1922.

APPENDICES TO REPORT ON TRADE OF STRAITS SETTLEMENTS.

List of Appendices.

A. Statement of the value of Foreign imports into and exports from the Colony of the Straits Settlements according to classes for the years 1920 and 1921.

B. Statement showing the value of the imports and exports according to classes with the United Kingdom, British Possessions and Protectorates and Foreign Countries in 1920 and 1921.

C. Statement of the gross value of the imports and exports of Singapore from and to each country during the four years 1918, 1919, 1920 and 1921.

D. Statement of the gross value of imports and exports of Penang from and to each country in 1920 and 1921.

E. Statement of the gross value of imports and exports of Malacca from and to each country in 1919, 1920 and 1921.

F. Statement of the gross value of imports and exports of Labuan from and to each country in 1920 and 1921.

G. Statement of the gross value of imports and exports of Christmas Island and the Dindings from and to each country in 1920 and 1921.

H. Statement of the gross average annual values of the trade of the Colony of the Straits Settlements from and to the United Kingdom, British Possessions and Protectorates and Foreign Countries for each quinquennial period from 1901 to 1915, also for 1916, 1917, 1918, 1919, 1920 and 1921.

I. Statement showing the values of the principal articles of import for the three years ended 1921.

J. Statement showing the quantities of the principal articles of import for the five years ended 1921.

K. Statement showing the values of the principal articles of export for the three years ended 1921.

L. Statement showing the export quantities of the principal articles of Straits Produce for the five years ended 1921.

M. Statement showing the value of the foreign trade of each Settlement for 1920 and 1921.

N. Statement of the value of the traffic by rail in 1920 and 1921.

O. Statement of the value of principal articles imported and exported from principal countries.

P. Statement showing the value of the Inter-Port Trade of each Settlement according to classes in 1920 and 1921.

Q. Statement showing the annual quantities of the different kinds of opium in chests imported into and exported from the Colony during each of the five years ended 1921.

R. Statement showing the annual quantities of coal imported from the different countries into the Colony for each of the five years ended 1921.

S. Statement showing the annual quantities of petroleum, distinguishing sources of supply, imported into the Colony in each of the five years ended 1921.

T. Statement showing the imports and exports of Bullion and Specie for the five years ended 1921.

U. Statement of the annual imports of tin and tin-ore from the different places into the Colony for each of the five years ended 1921, also the export quantities of refined tin for the same years.

V. Statement of the average Singapore annual export value per pikul of the principal articles of Straits produce for the five years ended 1916 and for 1917, 1918, 1919, 1920 and 1921.

W. Statement showing the quantity of Para Rubber in pikuls transhipped at Singapore and Penang from Malacca and the Malay Peninsula during the year 1921.

TRADE.

APPENDIX A.

Statement of the value of Foreign Imports into and Exports from the Colony
of the Straits Settlements in 1920 and 1921.

IMPORTS.

| | | Singapore. | Penang. | Malacca. | Labuan. | Christmas Island. | Total. |
|---|----------------|------------------------------|----------------------------|-------------------------|----------------------|----------------------|------------------------------|
| A.—LIVE ANIMALS, FOOD, DRINKS AND NARCOTICS. | | \$ | \$ | \$ | \$ | \$ | \$ |
| Total | { 1920 1921 | 296,061,829 190,266,676 | 75,955,562 33,722,231 | 1,233,868 499,820 | 280,806 112,675 | 1,169 171 | 373,533,234 224,601,573 |
| B.—RAW MATERIALS:— | | | | | | | |
| (a) Textile ... | { 1920 1921 | 1,488,022 1,146,387 | 102,773 31,719 | 105 ... | 861 778 | ... ... | 1,591,761 1,178,884 |
| (b) Metal ... | { 1920 1921 | 70,902,936 43,703,762 | 52,715,105 25,975,639 | ... ... | ... ... | ... ... | 123,618,041 69,679,401 |
| (c) Other .. | { 1920 1921 | 235,657,429 115,143,901 | 36,196,334 19,491,985 | 9,129,679 3,032,164 | 1,037,272 530,372 | 2,452 1,650 | 282,023,166 138,206,072 |
| Total | { 1920 1921 | 308,048,387 159,994,050 | 89,014,212 45,499,343 | 9,129,784 3,032,164 | 1,038,133 537,150 | 2,452 1,650 | 407,232,968 209,064,357 |
| C.—MANUFACTURED AND PARTLY MANUFACTURED ARTICLES:— | | | | | | | |
| (a) Textile ... | { 1920 1921 | 121,472,870 46,802,292 | 29,971,517 12,252,115 | 162,479 57,184 | ... ... | ... 1,129 | 151,606,866 59,112,720 |
| (b) Metal ... | { 1920 1921 | 53,482,033 29,869,389 | 11,641,049 5,637,079 | 728,294 485,187 | ... ... | 36,330 244,812 | 65,887,706 36,235,667 |
| (c) Other ... | { 1920 1921 | 53,624,815 27,829,316 | 12,464,020 6,935,044 | 354,372 131,059 | 3,812 4,732 | 4,531 8,127 | 66,451,550 34,908,278 |
| Total | { 1920 1921 | 228,579,718 104,500,997 | 54,076,586 24,824,238 | 1,245,145 673,430 | 3,812 4,732 | 40,861 253,268 | 283,946,122 130,256,665 |
| Total value of Merchandise | { 1920 1921 | 832,689,934 454,761,723 | 219,046,360 104,045,812 | 11,608,797 4,205,414 | 1,322,751 654,557 | 44,482 255,089 | 1,064,712,324 563,922,595 |
| D.—Coin and Bullion | { 1920 1921 | 172,892,707 18,410,631 | 32,607,148 1,604,091 | ... ... | ... ... | ... ... | 205,499,855 20,014,722 |
| Grand Total value of Imports | { 1920 1921 | 1,005,582,641 473,172,354 | 251,653,508 105,649,903 | 11,608,797 4,205,414 | 1,322,751 654,557 | 44,482 255,089 | 1,270,212,179 583,937,317 |

| | | Gross Imports. | | | Merchandise. | | |
|--|------|----------------|-------------|-------------|--------------|---------------|--------------------------|
| | | \$ | = | £ | \$ | = | £ |
| Total Value of Imports into the Colony of the Straits Settlements in | 1920 | 1,270,212,179 | = | 148,191,420 | ... | 1,064,712,324 | = 124,216,437 |
| | 1921 | 583,937,317 | = | 68,126,020 | ... | 563,922,595 | = 65,790,969 |
| Decrease | | ... | 686,274,862 | = | 80,065,400 | ... | 500,789,729 = 58,425,468 |

EXPORTS.

| | Singapore. | Penang. | Malacca. | Labuan. | Christmas Island. | Total. |
|--|-------------|-------------|------------|-----------|-------------------|---------------|
| | \$ | \$ | \$ | \$ | \$ | \$ |
| A.—LIVE ANIMALS, FOOD, DRINKS AND NARCOTICS— | | | | | | |
| Total ... { 1920 | 189,637,575 | 50,240,105 | 585,682 | 743,817 | ... | 241,207,179 |
| { 1921 | 149,357,652 | 30,896,366 | 419,977 | 428,723 | ... | 181,102,718 |
| B.—RAW MATERIALS— | | | | | | |
| (a) Textile ... { 1920 | 853,019 | 40,040 | 323 | 123 | ... | 893,505 |
| { 1921 | 864,893 | 8,546 | ... | 117 | ... | 873,556 |
| (b) Metal ... { 1920 | 70,646,210 | 57,730,978 | ... | ... | ... | 128,377,188 |
| { 1921 | 41,871,542 | 16,793,877 | ... | ... | ... | 58,665,419 |
| (c) Other ... { 1920 | 316,237,585 | 47,505,414 | 13,008,920 | 465,857 | 1,192,714 | 378,410,490 |
| { 1921 | 132,363,791 | 16,809,114 | 7,371,989 | 629,544 | 1,334,649 | 158,509,087 |
| Total ... { 1920 | 387,736,814 | 105,276,432 | 13,009,243 | 465,980 | 1,192,714 | 507,681,183 |
| { 1921 | 175,100,226 | 33,611,537 | 7,371,989 | 629,661 | 1,334,649 | 218,048,062 |
| C.—MANUFACTURED AND PARTLY MANUFACTURED ARTICLES— | | | | | | |
| (a) Textile ... { 1920 | 58,946,278 | 10,322,323 | 60,822 | 152,662 | ... | 69,482,085 |
| { 1921 | 34,192,390 | 6,157,447 | 27,986 | 171,795 | ... | 40,549,618 |
| (b) Metal ... { 1920 | 16,051,916 | 3,420,148 | 250,001 | 7,054 | ... | 19,729,119 |
| { 1921 | 12,050,368 | 2,332,516 | 70,518 | 9,573 | ... | 14,462,975 |
| (c) Other ... { 1920 | 30,319,716 | 9,975,439 | 441,876 | 46,887 | ... | 40,783,918 |
| { 1921 | 18,829,562 | 7,895,113 | 170,810 | 121,618 | ... | 27,017,103 |
| Total { 1920 | 105,317,910 | 23,717,910 | 752,699 | 206,603 | ... | 129,995,122 |
| { 1921 | 65,072,320 | 16,385,076 | 269,314 | 302,986 | ... | 82,029,696 |
| Total value of Merchandise { 1920 | 682,692,299 | 179,234,447 | 14,347,624 | 1,416,400 | 1,192,714 | 878,883,484 |
| { 1921 | 389,530,198 | 80,892,979 | 8,061,280 | 1,361,370 | 1,334,649 | 481,180,476 |
| D.—Coin and Bullion | | | | | | |
| ... { 1920 | 112,407,296 | 2, 54,798 | ... | ... | ... | 145,162,094 |
| { 1921 | 14,577,782 | 1,599,786 | ... | ... | ... | 16,177,568 |
| Grand Total value of Exports { 1920 | 795,099,595 | 211,989,245 | 14,347,624 | 1,416,400 | 1,192,714 | 1,024,045,578 |
| { 1921 | 404,107,980 | 82,492,765 | 8,061,280 | 1,361,370 | 1,334,649 | 497,358,044 |

| | | Gross Exports. | | Merchandise. | |
|--|------|----------------|---------------|--------------|---------------------------|
| | | \$ | £ | \$ | £ |
| Total Value of Exports from the Colony of the Straits Settlements in | 1920 | 1,024,045,578 | = 119,471,984 | ... | 878,883,484 = 102,536,406 |
| | 1921 | 497,358,044 | = 58,025,105 | ... | 481,180,476 = 56,137,722 |
| Decrease | | 526,687,534 | = 61,446,879 | ... | 397,703,008 = 46,398,684 |

TRADE.

APPENDIX B.

Statement showing the value of the Imports and Exports according to Classes of each of the Settlements into and from the United Kingdom, British Possessions and Protectorates and Foreign Countries, respectively, in 1920, and the total of the Colony for 1920 and 1921.

| | IMPORTS INTO | | | | | | EXPORTS FROM | | | | | | | |
|---|--------------|-------------|-----------|---------|-------------------|---------------|--------------|-------------|------------|-----------|-----------|-------------------|---------------|-------------|
| | Singapore. | Penang. | Malacca. | Labuan. | Christmas Island. | Total 1920. | Total 1921. | Singapore. | Penang. | Malacca. | Labuan. | Christmas Island. | Total 1920. | Total 1921. |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| A.—LIVE ANIMALS, FOOD, DRINKS AND NARCOTICS:— | | | | | | | | | | | | | | |
| United Kingdom | 7,930,004 | 1,540,843 | 47,383 | ... | 171 | 16,938,086 | 9,518,401 | 9,788,604 | 512,453 | 650 | ... | ... | 14,686,758 | 10,301,707 |
| British Possessions | 55,891,526 | 22,967,747 | 109,436 | 112,675 | ... | 151,694,485 | 79,081,384 | 60,188,697 | 23,445,141 | 298,710 | 428,723 | ... | 148,642,737 | 84,361,271 |
| Foreign Countries | 126,445,146 | 9,213,641 | 343,001 | ... | ... | 204,900,663 | 136,001,788 | 79,380,351 | 6,938,772 | 120,617 | ... | ... | 77,877,684 | 86,439,740 |
| Total of A | 190,266,676 | 33,722,231 | 499,820 | 112,675 | 171 | 373,533,234 | 224,601,573 | 149,357,652 | 30,896,366 | 419,977 | 428,723 | ... | 241,207,179 | 181,102,711 |
| B.—RAW MATERIALS (Textile, Metal and Other):— | | | | | | | | | | | | | | |
| United Kingdom | 475,823 | 72,808 | 1,857 | ... | 1,650 | 1,397,659 | 552,138 | 26,283,775 | 6,032,695 | 3,936,669 | 494,009 | ... | 92,467,483 | 36,747,148 |
| British Possessions | 93,121,477 | 32,478,297 | 1,952,228 | 537,150 | ... | 258,125,521 | 128,089,152 | 14,962,543 | 7,155,628 | 268,658 | 83,797 | 721,317 | 38,028,584 | 23,191,853 |
| Foreign Countries | 66,396,750 | 12,948,238 | 1,078,079 | ... | ... | 147,709,788 | 80,423,067 | 133,853,908 | 20,423,214 | 3,166,662 | 51,945 | 613,332 | 377,185,116 | 158,109,061 |
| Total of B | 159,994,050 | 45,499,343 | 3,032,164 | 537,150 | 1,650 | 407,232,968 | 209,064,357 | 175,100,226 | 33,611,537 | 7,371,989 | 629,661 | 1,334,649 | 507,681,183 | 218,048,062 |
| C.—MANUFACTURED AND PARTLY MANUFACTURED ARTICLES (Textile, Metal and Other):— | | | | | | | | | | | | | | |
| United Kingdom | 44,035,291 | 11,821,321 | 279,136 | ... | 49,626 | 138,816,182 | 56,185,374 | 1,072,966 | 125,830 | 4,235 | ... | ... | 542,522 | 1,203,031 |
| British Possessions | 22,547,171 | 6,724,459 | 132,205 | 4,732 | ... | 46,152,207 | 29,408,567 | 22,254,753 | 10,109,027 | 203,215 | 302,986 | ... | 51,578,609 | 32,869,981 |
| Foreign Countries | 37,918,535 | 6,278,458 | 262,089 | ... | 203,642 | 98,977,733 | 44,662,724 | 41,744,601 | 6,150,219 | 61,864 | ... | ... | 77,873,991 | 47,950,684 |
| Total of C | 104,500,997 | 24,824,238 | 673,430 | 4,732 | 253,268 | 283,946,122 | 130,256,665 | 65,072,320 | 16,385,076 | 269,314 | 302,986 | ... | 129,995,122 | 82,029,696 |
| 4, B, C.— | | | | | | | | | | | | | | |
| United Kingdom | 52,441,118 | 13,434,972 | 328,376 | ... | 51,447 | 157,151,927 | 66,255,913 | 37,145,345 | 6,670,978 | 3,941,554 | 494,009 | ... | 107,696,763 | 48,251,886 |
| British Possessions | 171,560,174 | 62,170,503 | 2,193,869 | 654,557 | ... | 455,972,213 | 236,579,103 | 97,405,993 | 40,709,796 | 770,583 | 815,416 | 721,317 | 238,249,930 | 140,423,105 |
| Foreign Countries | 230,760,431 | 28,440,337 | 1,683,169 | ... | 203,642 | 451,588,184 | 261,087,579 | 254,978,860 | 33,512,205 | 3,349,143 | 51,945 | 613,332 | 532,936,791 | 292,595,485 |
| Total value of Merchandise \$ | 454,761,723 | 104,045,812 | 4,205,414 | 654,557 | 255,089 | 1,064,712,324 | 563,922,595 | 389,539,198 | 80,892,979 | 8,061,280 | 1,361,370 | 1,334,649 | 878,883,484 | 481,180,476 |
| Total value of Merchandise £ | 53,055,534 | 12,138,678 | 490,632 | 76,365 | 29,760 | 124,216,438 | 65,790,969 | 45,445,190 | 9,437,514 | 940,483 | 158,826 | 155,709 | 102,536,406 | 56,137,722 |
| D.—COIN AND BULLION:— | | | | | | | | | | | | | | |
| United Kingdom | 786,934 | ... | ... | ... | ... | 46,278,077 | 786,934 | 813,803 | ... | ... | ... | ... | 359,015 | 813,803 |
| British Possession | 16,964,332 | 1,602,341 | ... | ... | ... | 149,397,431 | 18,566,673 | 1,896,231 | 512,571 | ... | ... | ... | 23,842,316 | 24,088,802 |
| Foreign Countries | 659,365 | 1,750 | ... | ... | ... | 9,824,347 | 661,115 | 11,867,748 | 1,087,215 | ... | ... | ... | 120,960,763 | 12,954,963 |
| Total of D | 18,410,631 | 1,604,091 | ... | ... | ... | 205,499,855 | 20,014,722 | 14,577,782 | 1,599,786 | ... | ... | ... | 145,162,094 | 16,177,568 |
| A, B, C, D.— | | | | | | | | | | | | | | |
| United Kingdom | 53,228,052 | 13,434,972 | 328,376 | ... | 51,447 | 203,430,004 | 67,042,847 | 37,959,148 | 6,670,978 | 3,941,554 | 494,009 | ... | 108,055,778 | 49,065,689 |
| British Possession | 188,524,506 | 63,772,844 | 2,193,869 | 654,557 | ... | 605,369,644 | 255,145,776 | 99,302,224 | 41,222,367 | 770,583 | 815,416 | 721,317 | 262,092,246 | 142,831,907 |
| Foreign Countries | 231,419,796 | 28,442,087 | 1,683,169 | ... | 203,642 | 461,412,531 | 261,748,694 | 266,846,608 | 34,599,420 | 3,349,143 | 51,945 | 613,332 | 653,897,554 | 305,460,448 |
| Grand Total in Dollars \$ | 473,172,354 | 105,649,903 | 4,205,414 | 654,557 | 255,089 | 1,270,212,779 | 583,937,317 | 404,107,980 | 82,492,765 | 8,061,280 | 1,361,370 | 1,334,649 | 1,024,045,578 | 497,358,044 |
| Grand Total in Sterling £ | 55,203,441 | 12,325,822 | 490,632 | 76,365 | 29,760 | 148,191,421 | 68,126,020 | 47,145,931 | 9,624,156 | 940,483 | 158,826 | 155,709 | 119,471,984 | 58,025,105 |

TRADE.

APPENDIX C.

Gross Value of Singapore Imports from and Exports to each Country including the other Settlements during the four years in 1918, 1919, 1920 and 1921.

| COUNTRIES. | IMPORTS. | | | | | EXPORTS. | | | | |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|-------------------------------|
| | 1918. | 1919. | 1920. | 1921. | Increase or Decrease in 1921. | 1918. | 1919. | 1920. | 1921. | Increase or Decrease in 1921. |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| BRITISH EMPIRE AND PROTECTORATES— | | | | | | | | | | |
| EUROPE:— | | | | | | | | | | |
| United Kingdom | 43,812,027 | 46,080,513 | 165,685,022 | 53,228,052 | — 112,456,970 | 24,213,636 | 81,312,334 | 65,663,696 | 37,959,148 | — 27,704,548 |
| ASIA:— | | | | | | | | | | |
| BORNEO:— | | | | | | | | | | |
| British North Borneo | 2,697,186 | 3,681,148 | 3,691,792 | 1,557,606 | — 2,134,186 | 3,126,750 | 4,168,854 | 5,941,835 | 2,494,971 | — 3,446,864 |
| Brunei | ... | ... | ... | ... | ... | 8,537 | 11,751 | 26,253 | 15,102 | — 11,151 |
| Sarawak | 5,079,710 | 11,498,978 | 8,442,388 | 4,961,647 | — 3,486,741 | 5,410,795 | 9,184,396 | 9,394,746 | 5,251,008 | — 4,143,738 |
| BRITISH INDIA:— | | | | | | | | | | |
| Bombay and Malabar Coast | 11,533,963 | 8,507,691 | 16,559,063 | 11,093,028 | — 5,466,035 | 17,605,914 | 6,246,449 | 6,795,451 | 2,664,395 | — 4,131,146 |
| Calcutta | 13,232,345 | 17,351,027 | 23,928,758 | 14,350,324 | — 9,578,434 | 6,870,439 | 5,944,577 | 9,280,081 | 4,185,089 | — 5,094,992 |
| Burma | 18,821,385 | 8,139,634 | 25,894,764 | 8,929,815 | — 16,964,949 | 4,576,822 | 7,078,016 | 9,275,793 | 4,163,875 | — 5,111,918 |
| Madras and Coromandel Coast | 6,806,134 | 5,697,915 | 7,582,935 | 6,001,406 | — 1,581,529 | 7,461,840 | 4,997,120 | 4,870,138 | 1,951,602 | — 2,918,536 |
| Ceylon | 477,553 | 417,731 | 911,690 | 533,161 | — 378,529 | 2,337,120 | 9,372,470 | 8,161,012 | 3,234,077 | — 4,926,935 |
| Hongkong | 25,672,988 | 41,318,696 | 125,385,063 | 34,257,147 | — 91,127,916 | 14,193,438 | 18,688,732 | 20,732,395 | 12,843,994 | — 7,908,401 |
| MALAY PENINSULA:— | | | | | | | | | | |
| Kedah | 21,094 | 113,179 | 122,133 | 312,687 | + 190,554 | 53,681 | 65,953 | 216,426 | 81,960 | — 134,466 |
| Ipoh | 26,495,930 | 35,762,964 | 38,235,605 | 19,372,531 | — 18,863,074 | 11,391,733 | 19,654,321 | 25,487,764 | 12,610,449 | — 12,877,315 |
| Kelantan | 3,545,964 | 4,958,260 | 5,159,808 | 2,764,833 | — 2,394,975 | 2,355,674 | 3,216,334 | 4,642,570 | 3,455,969 | — 1,186,601 |
| Negri Sembilan | 11,572,452 | 14,304,188 | 13,519,759 | 5,640,967 | — 8,178,792 | 4,828,330 | 10,708,700 | 11,234,235 | 5,658,998 | — 5,575,237 |
| Pahang | 5,575,187 | 5,706,061 | 7,535,947 | 4,952,645 | — 2,583,302 | 2,317,046 | 4,404,140 | 4,746,827 | 4,168,185 | — 578,642 |
| Perak | 45,029,458 | 47,183,195 | 48,514,069 | 29,716,107 | — 18,798,502 | 9,593,354 | 14,262,012 | 13,049,820 | 9,098,993 | — 3,950,827 |
| Selangor | 49,374,361 | 55,486,593 | 56,106,083 | 23,869,319 | — 32,236,764 | 18,422,317 | 28,376,185 | 35,329,003 | 21,233,767 | — 14,095,236 |
| Trengganu | 3,762,677 | 3,828,671 | 3,557,459 | 2,004,544 | — 1,552,915 | 1,473,503 | 1,935,087 | 1,599,196 | 840,910 | — 758,286 |
| Canada | 3,534,168 | 418,447 | 2,183,145 | 944,586 | — 1,238,565 | 11,222,884 | 5,511,652 | 9,153,149 | 1,882,664 | — 7,270,485 |
| Australia | 7,850,186 | 27,362,809 | 45,361,857 | 15,450,473 | — 29,911,384 | 2,417,240 | 1,000,482 | 510,376 | 1,197,748 | — 1,114,163 |
| New Zealand | ... | ... | 490 | 3,024 | + 2,534 | 274,546 | 90,403 | 237,099 | 403,123 | — 273,277 |
| Mauritius | 151,524 | ... | 2,800 | ... | — 2,800 | 195,725 | 231,689 | 1,317,623 | 403,123 | — 914,500 |
| Union of South Africa | 3,579,058 | 3,808,810 | 3,857,504 | 1,123,441 | — 2,734,063 | 389,121 | 117,389 | 466,349 | 342,151 | — 124,198 |
| Egypt | 371,570 | 155,404 | 383,192 | 337,871 | — 45,321 | 2,247,188 | 2,987,442 | 4,700,919 | 903,542 | — 3,797,377 |
| Other British Possessions | 694,293 | 32,754 | 500,359 | 647,290 | + 146,931 | 13,542 | 35,543 | 366,100 | 382,643 | + 16,543 |
| Total | 289,691,213 | 341,844,668 | 603,122,285 | 241,752,558 | — 361,369,727 | 152,971,184 | 239,002,931 | 255,293,668 | 137,261,372 | — 118,032,296 |

TRADE.

APPENDIX C.—Continued.

Gross Value of Singapore Imports from and Exports to each Country including the other Settlements during the four years in 1918, 1919, 1920 and 1921.—Contd.

| COUNTRIES. | IMPORTS. | | | | | EXPORTS. | | | | |
|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------|-------------------------------|----------------------|----------------------|-------------------------|----------------|-------------------------------|
| | 1918. | 1919. | 1920. | 1921. | Increase or Decrease in 1921. | 1918. | 1919. | 1920. | 1921. | Increase or Decrease in 1921. |
| FOREIGN COUNTRIES— | | | | | | | | | | |
| EUROPE :— | | | | | | | | | | |
| Austria-Hungary | ... | ... | ... | 400 | + | ... | ... | ... | ... | ... |
| Belgium | ... | 76,200 | 2,228,155 | 861,333 | + | ... | 3,515,018 | 3,951,098 | 761,603 | 3,189,495 |
| Denmark | 62,644 | 66,618 | 549,450 | 601,840 | + | ... | 4,677,151 | 11,185,522 | 1,350,385 | 9,835,137 |
| France | 1,004,284 | 2,180,638 | 3,047,346 | 2,944,941 | — | 21,314,031 | 26,919,961 | 20,915,704 | 10,148,151 | 10,767,553 |
| Germany | ... | ... | 1,385,638 | 686,708 | — | ... | ... | 2,431,952 | 7,778,698 | 5,346,746 |
| Italy | 1,100,973 | 1,124,738 | 4,938,854 | 2,742,618 | — | 7,661,693 | 6,663,287 | 5,931,050 | 3,118,414 | 2,812,696 |
| Netherlands | 178,051 | 962,737 | 4,879,554 | 2,475,119 | — | 42,430 | 1,742,672 | 9,343,031 | 6,477,331 | 2,865,700 |
| Norway | 6,500 | 16,270 | 526,109 | 20,086 | — | ... | 18,480 | ... | ... | ... |
| Russia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Spain | 86,239 | 99,878 | 208,684 | 31,203 | — | 76,962 | 300,220 | 533,504 | 2,643,332 | 2,109,828 |
| Sweden | 48,680 | 25,844 | 518,535 | 136,700 | — | ... | 2,983 | 5,729 | 2,542 | 3,187 |
| Turkey | ... | ... | ... | 16,155 | + | ... | ... | ... | 720 | 720 |
| ASIA :— | | | | | | | | | | |
| Arabia | ... | 3,200 | 1,922 | ... | — | 740 | 85,736 | 195,240 | 68,075 | 127,165 |
| China | 15,060,526 | 19,314,375 | 34,261,177 | 25,556,729 | — | 2,471,614 | 7,910,865 | 5,631,306 | 4,765,074 | 866,232 |
| French India | 1,285,491 | 1,222,164 | 1,525,612 | 1,800,098 | + | 372,449 | 8,594,852 | 79,549,625 | 882,733 | 78,666,892 |
| FRENCH INDO-CHINA :— | 15,870,957 2,434,413 | 29,845,659 2,241,423 | 76,463,140 2,014,162 | 24,973,877 } | — | 4,836,734 327,517 | 9,060,713 889,074 | 18,288,616 1,690,717 | 6,761,636 } | 13,217,697 |
| Japan | 44,530,242 | 33,194,039 | 4,051,573 | 21,234,366 | — | 25,672,137 | 24,477,344 | 16,326,324 | 16,795,795 | 379,471 |
| NETHERLANDS INDIA :— | | | | | | | | | | |
| Bali and Lombok | 1,370,402 | 3,152,446 | 3,402,657 | 436,089 | — | 291,580 | 305,774 | 641,957 | 542,936 | 99,021 |
| Borneo | 10,430,529 | 23,058,730 | 21,000,051 | 12,339,343 | — | 10,701,958 | 10,137,947 | 11,895,098 | 10,952,535 | 942,563 |
| Celebes and Moluccas | 1,646,583 | 5,555,010 | 3,669,883 | 1,118,589 | — | 4,838,819 | 4,743,672 | 5,390,754 | 4,802,507 | 498,247 |
| Java | 42,764,026 | 57,441,698 | 52,043,332 | 29,288,799 | — | 37,613,709 | 27,228,140 | 44,395,439 | 47,981,812 | 3,586,373 |

| | | | | | | | | | | | | |
|------------------------------------|----------------|-------------|-------------|-------------|-----|-------------|-------------|-------------|-------------|-------------|-----|-------------|
| Sumatra | 23,874,439 | 47,584,787 | 44,608,900 | 21,786,783 | - | 22,822,117 | 26,736,372 | 25,744,305 | 31,359,211 | 27,690,062 | - | 3,669,149 |
| Other Dutch Islands | 11,955,720 | 25,666,415 | 25,721,220 | 16,918,122 | - | 8,803,098 | 9,446,041 | 7,829,513 | 7,796,280 | 8,729,237 | + | 932,957 |
| Philippine Islands and Archipelago | 784,240 | 2,011,076 | 2,164,120 | 1,576,815 | - | 587,305 | 1,642,358 | 1,639,613 | 1,711,329 | 1,384,967 | - | 326,362 |
| Siam and Siamese States | 53,536,410 | 67,512,573 | 20,002,427 | 40,151,561 | + | 20,149,134 | 11,659,239 | 21,825,329 | 19,897,573 | 19,319,436 | - | 578,137 |
| UNITED STATES OF AMERICA :- | 15,615,516 | 29,083,070 | 52,968,472 | 23,095,452 | - | 29,873,020 | 161,907,588 | 261,299,282 | 240,200,233 | 83,685,420 | - | 156,514,813 |
| Other Foreign Countries | 9,859 | 441,072 | 339,383 | 586,070 | + | 246,687 | 1,921,175 | 1,073,804 | 538,635 | 203,207 | - | 335,428 |
| Total | 243,656,724 | 351,880,660 | 402,460,356 | 231,419,796 | - | 171,040,560 | 329,834,772 | 456,685,735 | 539,805,927 | 266,846,668 | - | 272,959,319 |
| INTER-PORT— | | | | | | | | | | | | |
| Malacca | 21,049,626 | 38,729,446 | 31,807,787 | 11,587,446 | - | 20,220,341 | 11,358,935 | 15,411,283 | 14,610,942 | 10,133,029 | - | 4,477,913 |
| Penang | 25,823,525 | 25,233,639 | 24,914,668 | 18,186,194 | - | 6,728,474 | 16,548,288 | 26,587,270 | 45,806,475 | 15,117,971 | - | 30,688,504 |
| Labuan | 1,005,089 | 1,467,737 | 1,730,405 | 714,082 | - | 1,015,423 | 941,868 | 1,454,371 | 1,653,509 | 979,505 | - | 674,004 |
| Christmas Island | 45,989 | 428,643 | 57,850 | 57,540 | - | 310 | 220,644 | 239,865 | 342,997 | 323,692 | - | 19,305 |
| Dindings | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | 47,924,229 | 65,859,465 | 58,510,710 | 30,546,162 | - | 27,964,548 | 29,069,735 | 43,692,789 | 62,413,923 | 26,554,197 | - | 35,859,726 |
| Gross Decrease | ... | | | | | 560,374,835 | | | | | | 426,851,341 |
| Grand Total Excluding Treasure | \$ 576,165,300 | 727,007,589 | 890,079,401 | 484,801,685 | - | 405,277,716 | 496,636,878 | 720,347,211 | 724,270,614 | 415,808,295 | - | 308,462,319 |
| Grand Total Excluding Treasure | £ 67,219,285 | 84,817,552 | 103,842,597 | 56,560,197 | - | 47,282,400 | 57,940,969 | 84,040,508 | 84,498,238 | 48,510,968 | - | 35,987,270 |

TRADE.

APPENDIX D.

IMPORTS.

Total value of the Gross Imports into the Settlement of Penang from each Country in the year 1921, with Comparative Statement for the years 1920 and 1921.

| Countries whence Imported. | 1920. | 1921. | Increase. | Decrease. |
|---|-------------|-------------|-----------|-------------|
| | \$ | \$ | \$ | \$ |
| From UNITED KINGDOM | 37,012,213 | 13,434,972 | ... | 23,577,241 |
| „ BRITISH POSSESSIONS AND PROTECTORATES, Etc. :— | \$ | \$ | \$ | \$ |
| British North Borneo | ... | 400 | 400 | ... |
| Malta | ... | ... | ... | ... |
| Aden | 5,232 | ... | ... | 5,232 |
| Sarawak | ... | ... | ... | ... |
| Bombay | 304,699 | 196,210 | ... | 108,489 |
| Calcutta | 4,146,739 | 2,377,210 | ... | 1,769,529 |
| Burma Ports | 41,569,238 | 11,579,256 | ... | 29,989,982 |
| Madras | 7,713,639 | 3,973,220 | ... | 3,740,419 |
| Ceylon | 564,234 | 437,827 | ... | 126,407 |
| Hongkong | 43,838,393 | 11,775,074 | ... | 32,063,319 |
| Malay Peninsula :— | | | | |
| Pahang | ... | 190 | 190 | ... |
| Kelantan | ... | ... | ... | ... |
| Kedah | 6,848,092 | 5,843,361 | ... | 1,004,731 |
| Negri Sembilan | 2,655 | 6,001 | 3,346 | ... |
| Perak | 43,259,679 | 19,545,223 | ... | 23,714,456 |
| Selangor | 10,202,418 | 7,424,490 | ... | 2,777,928 |
| Johore | 8,458 | ... | ... | 8,458 |
| Canada | 145,793 | 74,277 | ... | 71,516 |
| Australia | 2,448,653 | 336,720 | ... | 2,111,933 |
| Union of South Africa | 13,415 | 4,250 | ... | 9,165 |
| Egypt | 227,029 | 197,754 | ... | 29,275 |
| Other British Possessions | ... | ... | ... | ... |
| Total ... | 161,298,366 | 63,771,463 | 3,936 | 97,530,839 |
| „ FOREIGN COUNTRIES :— | \$ | \$ | \$ | \$ |
| Austria | ... | 2,040 | 2,040 | ... |
| Belgium | 579,525 | 268,879 | ... | 310,646 |
| Denmark | 157,741 | 161,936 | 4,195 | ... |
| France | 652,068 | 382,728 | ... | 269,340 |
| Germany | 593,486 | 195,621 | ... | 397,865 |
| Italy | 750,130 | 356,286 | ... | 393,844 |
| Netherlands | 1,360,714 | 547,461 | ... | 813,253 |
| Norway | 22,685 | 12,465 | ... | 10,220 |
| Sweden | 290,627 | 89,104 | ... | 201,523 |
| Spain | 59,358 | 2,025 | ... | 57,333 |
| Arabia | 460 | ... | ... | 460 |
| China | 3,981,822 | 3,244,130 | ... | 737,692 |
| French India | 680,739 | 444,754 | ... | 235,985 |
| French Indo-China | 2,879,150 | 113,625 | ... | 2,765,525 |
| Japan | 2,509,717 | 1,283,166 | ... | 1,226,551 |
| Netherlands India :— | | | | |
| Dutch Borneo | 1,126,772 | 350,463 | ... | 776,309 |
| Java | 3,054,798 | 1,079,566 | ... | 1,975,232 |
| Sumatra | 11,499,912 | 8,155,971 | ... | 3,343,941 |
| Celebes | 190 | 235 | 45 | ... |
| Philippines | 76,504 | 42,354 | ... | 34,150 |
| Siam and Siamese States | 18,560,648 | 9,338,522 | ... | 9,222,126 |
| United States of America | 4,502,628 | 2,370,756 | ... | 2,131,872 |
| Other Foreign Countries | ... | ... | ... | ... |
| Total ... | 53,339,674 | 28,442,087 | 6,280 | 24,903,867 |
| BETWEEN THE SETTLEMENTS :— | \$ | \$ | \$ | \$ |
| Singapore | 44,903,087 | 15,097,866 | ... | 29,805,221 |
| Malacca | 5,555 | 410 | ... | 5,145 |
| Dindings | 1,073,848 | 698,744 | ... | 375,104 |
| Total ... | 45,982,490 | 15,797,020 | ... | 30,185,470 |
| Grand Total ... | 297,632,743 | 121,445,542 | 10,216 | 176,197,417 |
| Grand Total (exclusive of Inter-Ports) ... | 251,650,253 | 105,648,522 | 10,216 | 146,011,947 |

APPENDIX D.

EXPORTS.

Total Value of the Gross Exports from the Settlement of Penang to each Country in the year 1921, with Comparative Statement for the years 1920 and 1921.

| Countries to which Exported. | 1920. | 1921. | Increase. | Decrease. |
|---|-------------|-------------|-----------|-------------|
| | \$ | \$ | \$ | \$ |
| To UNITED KINGDOM | 30,264,769 | 6,670,978 | ... | 23,593,791 |
| BRITISH POSSESSIONS AND PROTECTORATES, ETC.:— | | | | |
| Aden | 60 | ... | ... | 60 |
| British North Borneo | ... | 342 | 342 | ... |
| Sarawak | ... | ... | ... | ... |
| Bombay | 446,215 | 736,417 | 290,202 | ... |
| Calcutta | 5,351,675 | 4,614,598 | ... | 737,077 |
| Burma Ports | 5,622,543 | 1,854,924 | ... | 3,767,619 |
| Madras | 1,396,641 | 924,976 | ... | 471,665 |
| Ceylon | 207,958 | 132,251 | ... | 75,707 |
| Hongkong | 7,556,027 | 6,973,514 | ... | 582,513 |
| Malay Peninsula:— | | | | |
| Trengganu | 1,860 | 1,091 | ... | 769 |
| Kelantan | 76,081 | 14,535 | ... | 61,546 |
| Johore | 77,152 | 53,027 | ... | 24,125 |
| Negri Sembilan | 595,322 | 376,170 | ... | 219,152 |
| Pahang | 89,195 | 6,700 | ... | 82,495 |
| Perak | 29,069,168 | 13,463,885 | ... | 15,605,283 |
| Selangor | 11,672,028 | 5,928,067 | ... | 5,743,961 |
| Kedah | 6,024,474 | 5,430,894 | ... | 593,580 |
| Canada | 293,409 | 98,198 | ... | 195,211 |
| Australia | 435,283 | 203,012 | ... | 232,271 |
| New Zealand | 251,778 | 81,385 | ... | 170,393 |
| Mauritius | ... | 1,336 | 1,336 | ... |
| Union of South Africa | ... | 90 | 90 | ... |
| Egypt | 115,540 | 168,114 | 52,574 | ... |
| Other British Possessions | ... | ... | ... | ... |
| Total | 69,282,409 | 41,063,526 | 344,544 | 28,563,427 |
| FOREIGN COUNTRIES:— | \$ | \$ | \$ | \$ |
| Austria | ... | ... | ... | ... |
| Belgium | 1,054,470 | 64,045 | ... | 990,425 |
| Denmark | 8,805,919 | 203,575 | ... | 8,602,344 |
| France | 4,158,280 | 987,647 | ... | 3,170,633 |
| Germany | 198,730 | 2,834,053 | 2,635,323 | ... |
| Italy | 985,750 | 436,140 | ... | 549,610 |
| Netherlands | 1,996,861 | 3,389,815 | 1,392,954 | ... |
| Norway | ... | 1,500 | 1,500 | ... |
| Spain | 9,300 | 105,144 | 95,844 | ... |
| Sweden | ... | ... | ... | ... |
| Arabia | 2,000 | 53 | ... | 1,947 |
| China | 239,497 | 200,950 | ... | 38,547 |
| French India | 29,348,445 | 104,790 | ... | 29,243,655 |
| French Indo-China | ... | 680 | 680 | ... |
| Japan | 26,295 | 56,306 | 30,011 | ... |
| Netherlands India:— | | | | |
| Dutch Borneo | ... | 1,654 | 1,654 | ... |
| Celebes | 11,225 | 10 | ... | 11,215 |
| Java | 182,172 | 338,922 | 156,750 | ... |
| Sumatra | 10,441,542 | 10,619,976 | 178,434 | ... |
| Siam and Siamese States | 5,664,265 | 4,159,531 | ... | 1,504,734 |
| United States of America | 49,123,972 | 11,094,376 | ... | 38,029,596 |
| Philippines | 2,935 | 253 | ... | 2,682 |
| Total | 112,251,658 | 34,599,420 | 4,493,150 | 82,145,388 |
| BETWEEN THE SETTLEMENTS:— | \$ | \$ | \$ | \$ |
| Malacca | 3,490,020 | 115,024 | ... | 3,374,996 |
| Singapore | 24,795,868 | 18,292,921 | ... | 6,502,947 |
| Dindings | 1,462,566 | 823,571 | ... | 638,995 |
| Labuan | 904 | 1,090 | 186 | ... |
| Total | 29,749,358 | 19,232,606 | 186 | 10,516,938 |
| Grand Total | 241,548,194 | 101,566,530 | 4,837,880 | 144,819,544 |
| Grand Total (exclusive of Inter-Port) | 211,798,836 | 82,333,924 | 4,837,694 | 134,302,606 |

TRADE.

APPENDIX E.

IMPORTS.

Total value of Imports into Malacca from each Country during the years 1919, 1920 and 1921:—

| Countries whence imported. | | | | | Total value 1919. | Total value 1920. | Total value 1921. |
|------------------------------|-------|-----|-----|-----|----------------------|----------------------|----------------------|
| FROM BRITISH EMPIRE:— | | | | | \$ | \$ | \$ |
| United Kingdom | Total | ... | ... | ... | 282,556 | 704,873 | 328,376 |
| Calcutta | ... | ... | ... | ... | 941 | 2,265 | 2,412 |
| Burmah | ... | ... | ... | ... | ... | ... | ... |
| Ceylon | ... | ... | ... | ... | ... | 2,565 | 498 |
| Bombay | ... | ... | ... | ... | ... | ... | ... |
| Madras | ... | ... | ... | ... | 1,717 | 32,759 | 5,487 |
| Hongkong | ... | ... | ... | ... | 560 | 288 | 260 |
| Australia | ... | ... | ... | ... | 51,540 | 3,232 | 14,932 |
| Johore | ... | ... | ... | ... | 4,111,100 | 2,159,666 | 403,482 |
| Negri Sembilan | ... | ... | ... | ... | 6,994,546 | 5,194,439 | 1,539,224 |
| Kelantan | ... | ... | ... | ... | ... | ... | ... |
| Pahang | ... | ... | ... | ... | 398,590 | 243,080 | 44,817 |
| Trengganu | ... | ... | ... | ... | ... | ... | ... |
| Perak | ... | ... | ... | ... | 8,804 | 21,554 | 11,229 |
| Selangor | ... | ... | ... | ... | 557,179 | 659,547 | 171,528 |
| | Total | ... | ... | ... | \$12,124,977 | \$8,319,395 | \$2,193,869 |
| FOREIGN COUNTRIES:— | | | | | | | |
| Belgium | ... | ... | ... | ... | ... | 6,308 | 1,500 |
| Denmark | ... | ... | ... | ... | ... | 4,490 | 1,420 |
| France | ... | ... | ... | ... | 500 | 6,425 | 7,915 |
| Phillippines | ... | ... | ... | ... | ... | 1,330 | 329 |
| Italy | ... | ... | ... | ... | ... | ... | ... |
| Holland | ... | ... | ... | ... | ... | 13,810 | ... |
| Netherlands | ... | ... | ... | ... | ... | ... | ... |
| Japan | ... | ... | ... | ... | 46,355 | 43,086 | 2,155 |
| Java | ... | ... | ... | ... | 3,650 | 6,011 | ... |
| Dutch Borneo | ... | ... | ... | ... | ... | ... | ... |
| China | ... | ... | ... | ... | 48,520 | 61,400 | 43,990 |
| Sumatra, East Coast | ... | ... | ... | ... | 1,719,648 | 2,352,191 | 1,609,665 |
| Siam, East Coast | ... | ... | ... | ... | 11,250 | 39,760 | ... |
| United States, Atlantic | ... | ... | ... | ... | 48,120 | 49,718 | 16,195 |
| United States, Pacific | ... | ... | ... | ... | 960 | ... | ... |
| | Total | ... | ... | ... | \$1,879,003 | \$2,584,529 | \$1,683,169 |
| INTER-PORT:— | | | | | | | |
| Penang | ... | ... | ... | ... | 1,737,982 | 4,690,902 | 141,763 |
| Singapore | ... | ... | ... | ... | 15,925,409 | 15,967,219 | 10,511,307 |
| Labuan | ... | ... | ... | ... | ... | 122 | ... |
| | Total | ... | ... | ... | \$17,663,391 | \$20,658,243 | 10,653,070 |
| GRAND TOTAL | | | | | \$31,949,927 | \$32,267,040 | \$14,858,484 |
| Increase | | | | | ... | ... | 32,267,040 |
| Decrease | | | | | ... | ... | 17,408,556 |

TRADE.

APPENDIX E.—Continued.

EXPORTS.

Total value of Exports from Malacca to each Country during the years 1919, 1920 and 1921.

| Countries to which exported. | | | | Total value 1919. | Total value 1920. | Total value 1921. |
|------------------------------|-------|-----|-----|----------------------|----------------------|----------------------|
| TO BRITISH EMPIRE:— | | | | \$ | \$ | \$ |
| United Kingdom | Total | ... | ... | 15,713,884 | 12,039,064 | 3,941,554 |
| British North Borneo | ... | ... | ... | ... | ... | ... |
| Bombay | ... | ... | ... | ... | ... | ... |
| Calcutta | ... | ... | ... | ... | ... | ... |
| Kedah | ... | ... | ... | 1,275 | ... | ... |
| Ceylon | ... | ... | ... | 100 | 1,000 | 50 |
| Johore | ... | ... | ... | 320,472 | 475,198 | 337,901 |
| Kelantan | ... | ... | ... | 150 | 2,187 | ... |
| Trengganu | ... | ... | ... | ... | 74 | ... |
| Negri Sembilan | ... | ... | ... | 681,810 | 702,405 | 322,499 |
| Pahang | ... | ... | ... | 38,041 | 47,663 | 26,659 |
| Perak | ... | ... | ... | 13,629 | 8,569 | 19,756 |
| Selangor | ... | ... | ... | 119,176 | 131,497 | 63,718 |
| Canada | ... | ... | ... | 86,586 | 82,480 | ... |
| | Total | ... | ... | \$1,261,239 | \$1,451,073 | \$770,583 |
| „ FOREIGN COUNTRIES:— | | | | | | |
| Belgium | ... | ... | ... | ... | 4,440 | 780 |
| France | ... | ... | ... | 56,197 | ... | 29,000 |
| Germany | ... | ... | ... | ... | ... | 2,819 |
| Holland | ... | ... | ... | ... | ... | 5,600 |
| Italy | ... | ... | ... | ... | ... | 33,343 |
| China | ... | ... | ... | 2,414 | ... | 100 |
| Java | ... | ... | ... | 2,660 | ... | ... |
| Japan | ... | ... | ... | ... | ... | ... |
| Sumatra, East Coast | ... | ... | ... | 306,650 | 346,500 | 187,008 |
| United States, Atlantic | ... | ... | ... | 627,769 | 506,547 | 3,040,993 |
| United States, Pacific | ... | ... | ... | 387,399 | ... | 44,500 |
| | Total | ... | ... | \$1,383,089 | \$857,487 | \$3,349,143 |
| „ INTER-PART:— | | | | | | |
| Penang | ... | ... | ... | 57,346 | 46,752 | 28,187 |
| Singapore | ... | ... | ... | 40,180,986 | 32,579,978 | 1,838,428 |
| | Total | ... | ... | \$40,238,332 | \$32,626,730 | \$11,866,615 |
| GRAND TOTAL | | | | 58,596,544 | 46,974,354 | 19,927,895 |
| Increase | | | | ... | ... | 46,974,354 |
| Decrease | | | | ... | ... | 27,046,459 |

TRADE.

APPENDIX F.

Total value of Imports into and Exports from Labuan in the years 1920 and 1921.

| | | | | 1920. | | 1921. | |
|--------------------------|-------------|-----|-----|-------------|-------------|-------------|-------------|
| | | | | Imports. | Exports. | Imports. | Exports. |
| | | | | \$ | \$ | \$ | \$ |
| BRITISH EMPIRE:— | | | | | | | |
| United Kingdom | Total | ... | ... | ... | 88,249 | ... | 494,009 |
| Australia | ... | ... | ... | ... | 2,400 | ... | ... |
| British North Borneo | ... | ... | ... | 232,119 | 164,486 | 85,822 | 207,878 |
| Brunei | ... | ... | ... | 920,012 | 544,849 | 527,823 | 406,425 |
| Sarawak | ... | ... | ... | 170,620 | 314,334 | 40,862 | 177,878 |
| Hongkong | ... | ... | ... | ... | 4,800 | ... | 23,235 |
| Egypt | ... | ... | ... | ... | ... | ... | ... |
| | Total | ... | ... | \$1,322,751 | \$1,030,869 | \$654,557 | \$815,416 |
| FOREIGN COUNTRIES:— | | | | | | | |
| China | ... | ... | ... | ... | ... | ... | 27,225 |
| Italy | ... | ... | ... | ... | 6,250 | ... | ... |
| Japan | ... | ... | ... | ... | ... | ... | 24,720 |
| France | ... | ... | ... | ... | 12,250 | ... | ... |
| United States of America | ... | ... | ... | ... | 278,782 | ... | ... |
| | Total | ... | ... | ... | \$297,282 | ... | \$51,945 |
| INTER-PORT:— | | | | | | | |
| Singapore | ... | ... | ... | 1,086,115 | 909,482 | 1,107,108 | 623,971 |
| | GRAND TOTAL | ... | ... | \$2,408,866 | \$2,325,882 | \$1,761,665 | \$1,985,341 |
| | Decrease | ... | ... | ... | ... | 647,201 | 340,541 |
| | Increase | ... | ... | ... | ... | ... | ... |

TRADE.

APPENDIX G.

Total value of Imports into and Exports from Christmas Island in 1920 and 1921:—

| | 1920. | | 1921. | |
|---------------------------------|-----------|-------------|-----------|-------------|
| | Imports. | Exports. | Imports. | Exports. |
| | \$ | \$ | \$ | \$ |
| United Kingdom | 27,896 | ... | 51,447 | ... |
| BRITISH POSSESSIONS:— | | | | |
| Australia | ... | 507,514 | ... | 510,686 |
| Union of South Africa | ... | ... | ... | 210,631 |
| FOREIGN COUNTRIES:— | | | | |
| United States of America | 16,586 | ... | 203,642 | ... |
| Japan | ... | 685,200 | ... | 613,332 |
| INTER-PORT:— | | | | |
| Singapore | 342,997 | 57,850 | 323,692 | 57,540 |
| Grand Total ... | \$387,479 | \$1,250,564 | \$578,781 | \$1,392,189 |
| Increase ... | ... | ... | 191,302 | 141,625 |
| Decrease ... | ... | ... | ... | ... |

The trade of the Dindings chiefly with Penang and the Federated Malay States valued in 1920 and 1921:—

| | Imports. | | | Exports. | |
|----------------|-------------|-----------|--------------|-------------|-----------|
| | 1920. | 1921. | | 1920. | 1921. |
| | \$ | \$ | | \$ | \$ |
| Foreign ... | 3,255 | 1,381 | | 190,409 | 158,841 |
| Inter-Port ... | 1,462,566 | 823,571 | | 1,073,848 | 698,744 |
| Total ... | \$1,465,821 | \$824,952 | | \$1,264,257 | \$857,585 |
| Decrease ... | ... | 640,869 | Decrease ... | ... | 406,672 |

TRADE.

APPENDIX H.

Statement showing in millions of dollars the gross Imports into and Exports from the Colony since 1891 distinguishing the United Kingdom, British Possessions and Foreign Countries.

| | 1921. | | Annual average 1901 to 1905. | | Annual average 1906 to 1910. | | Annual average 1911 to 1915. | | 1916. | | 1917. | | 1918. | | 1919. | | 1920. | | Percentage of gross total trade in 1920 and 1921. | | | |
|---------------------------------------|----------|----------|------------------------------|----------|------------------------------|----------|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|-------|----------|-------|
| | | | | | | | | | | | | | | | | | | | Imports. | | Exports. | |
| | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | 1920. | 1921. | 1920. | 1921. |
| United Kingdom | 67.1 | 49.1 | 34.7 | 59.4 | 38.9 | 74.1 | 43.8 | 85.1 | 48.2 | 93.6 | 47.0 | 99.2 | 56.0 | 55.1 | 58.5 | 135.8 | 203.4 | 108.1 | 16.0 | 11.5 | 10.5 | 9.9 |
| British Possessions and Protectorates | 255.0 | 142.8 | 180.5 | 77.6 | 166.9 | 87.5 | 213.6 | 109.3 | 260.8 | 120.9 | 319.8 | 154.6 | 355.9 | 155.1 | 424.6 | 216.4 | 605.4 | 262.1 | 47.7 | 43.7 | 25.6 | 28.7 |
| Total | 322.1 | 191.9 | 215.2 | 137.0 | 205.8 | 161.6 | 257.4 | 194.4 | 309.0 | 214.5 | 366.8 | 253.8 | 411.9 | 210.2 | 483.1 | 352.2 | 808.8 | 370.2 | 63.7 | 55.2 | 36.1 | 3.6 |
| Foreign Countries | 261.9 | 305.5 | 135.4 | 160.6 | 132.2 | 138.3 | 173.9 | 174.4 | 233.1 | 277.8 | 279.8 | 369.8 | 287.6 | 406.3 | 401.6 | 522.6 | 461.4 | 653.9 | 36.3 | 44.8 | 63.9 | 61.4 |
| Grand Total | 584.0 | 497.4 | 350.6 | 297.6 | 338.0 | 299.9 | 431.3 | 368.8 | 542.1 | 492.3 | 646.6 | 623.6 | 699.5 | 616.5 | 884.7 | 874.8 | 1,270.2 | 1,024.1 | ... | ... | ... | ... |

The Federated Malay States, Sarawak, etc., included in above statement under British Possessions since 1900, previously inserted under Foreign Countries, and Labuan figures included as part of the Colony for the first time in 1908.

APPENDIX I.

Principal Import Values.

The principal articles of import into the Colony and their values during the last three years are stated below *in thousands of dollars* :—

| | | | | <i>Increase or Decrease in</i> | |
|---|-----|-----|-----|------------------------------------|---------|
| | | | | 1919. | 1920. |
| | | | | — | — |
| | | | | \$ | \$ |
| Tin and Tin Ore | ... | ... | ... | 104,977 | 122,977 |
| Rice and other Grains | ... | ... | ... | 119,628 | 152,197 |
| Fish | ... | ... | ... | 15,929 | 23,123 |
| Cotton Piece-goods and Sarongs | ... | ... | ... | 42,784 | 103,059 |
| Provisions, including Fresh and Salted, Hams and Bacon, Fresh Meat, Tinned Foods, Milk, Butter, Biscuits, Ghee, Lard, and Curry Stuffs | ... | ... | ... | 22,200 | 37,293 |
| Opium | ... | ... | ... | 8,216 | 11,796 |
| Tobacco of all kinds | ... | ... | ... | 20,525 | 34,902 |
| Sugar of all kinds | ... | ... | ... | 32,708 | 27,367 |
| Coal | ... | ... | ... | 19,541 | 31,762 |
| Liquors of all kinds | ... | ... | ... | 6,773 | 13,660 |
| Kachang and Coconut Oils | ... | ... | ... | 3,501 | 4,663 |
| Vegetables, Fruits, and Onions and Garlic | ... | ... | ... | 8,700 | 13,381 |
| Live Animals | ... | ... | ... | 9,174 | 10,685 |
| Apparel, Hosiery, Millinery, Drapery, Towels and Napery | ... | ... | ... | 4,426 | 10,840 |
| Raw Hides | ... | ... | ... | 4,369 | 5,378 |
| Petroleum | ... | ... | ... | 5,712 | 5,329 |
| Yarns and Thread of Cotton | ... | ... | ... | 5,921 | 11,731 |
| Jute Gunnies | ... | ... | ... | 6,179 | 5,142 |
| Hardware and Ironware, including Cooking Utensils | ... | ... | ... | 6,228 | 12,846 |
| Machinery | ... | ... | ... | 7,486 | 11,171 |
| Drugs and Medicines | ... | ... | ... | 3,231 | 4,293 |
| Silk Piece-goods | ... | ... | ... | 3,489 | 4,367 |
| Iron and Steel, including Bar, Corrugat- ed, Hoop, Tools and Instruments, Wire Rope, Nails, and Anchors and Chains | ... | ... | ... | 11,064 | 10,906 |
| Paper and Stationery | ... | ... | ... | 4,476 | 7,504 |
| Tea | ... | ... | ... | 2,837 | 3,829 |
| Matches | ... | ... | ... | 3,048 | 3,571 |
| Wood | ... | ... | ... | 5,270 | 8,648 |
| Raw Cotton and Silk | ... | ... | ... | 1,609 | 1,543 |
| Cement | ... | ... | ... | 3,442 | 5,675 |
| Cycles, Motor Cars and Accessories | ... | ... | ... | 5,647 | 21,628 |
| Rubber Goods including Tyres | ... | ... | ... | 4,060 | 6,267 |

APPENDIX 7.

Principal Import Quantities.

Appended is a statement showing *in thousands* the import quantities of principal articles for the last five years :—

| | | | | 1917. | 1918. | 1919. | 1920. | 1921. | Increase or Decrease in |
|----------------------|----------|----------|--|--------|--------|-------|-------|-------|----------------------------|
| | | | | — | — | — | — | — | — |
| Cattle ... | ... | No. | | 42 | 43 | 48 | 48 | 31 | — 17 |
| Swine ... | ... | " | | 179 | 161 | 141 | 114 | 64 | — 50 |
| Fish, Dry and Salted | Pikuls. | | | 893 | 821 | 960 | 925 | 963 | + 38 |
| Beans and Peas | ... | " | | 372 | 289 | 516 | 428 | 381 | — 47 |
| Bran ... | ... | " | | 1,709 | 1,348 | 1,591 | 2,140 | 1,823 | — 317 |
| Padi ... | ... | " | | 705 | 647 | 180 | 340 | 475 | + 135 |
| Rice ... | ... | " | | 17,633 | 13,678 | 7,574 | 5,387 | 7,585 | + 2,198 |
| Wheat Flour | ... | " | | 586 | 346 | 700 | 900 | 472 | — 428 |
| Lard ... | ... | " | | 28 | 37 | 28 | 30 | 29 | — 1 |
| Spirits ... | Gallons. | | | 964 | 1,020 | 1,084 | 1,327 | 864 | — 463 |
| Champagne | } | " | | | | | | | |
| Claret | | | | | | | | | |
| Port | | | | 25 | 33 | 44 | 49 | 15 | — 34 |
| Sherry | | | | | | | | | |
| Malt Liquors | ... | " | | 1,039 | 937 | 622 | 1,033 | 390 | — 643 |
| Milk ... | ... | Cases. | | 457 | 350 | 536 | 555 | 436 | — 119 |
| Onions and Garlic | ... | Pikuls. | | 298 | 247 | 197 | 253 | 280 | + 27 |
| Opium ... | ... | Chests. | | 5.8 | 6 | 5 | 4 | 3 | — 1 |
| Sugar ... | ... | Pikuls. | | 3,751 | 3,328 | 1,635 | 755 | 1,420 | + 665 |
| Tobacco | ... | " | | 86 | 85 | 84 | 78 | 83 | + 5 |
| Tea ... | ... | " | | 81 | 68 | 59 | 62 | 53 | — 9 |
| Tin Ore | ... | " | | 1,241 | 1,059 | 1,037 | 1,068 | 1,029 | — 39 |
| Coal ... | ... | Tons. | | 640 | 510 | 503 | 727 | 541 | — 186 |
| Petroleum | ... | Cases. | | 822 | 895 | 1,104 | 1,032 | 941 | — 91 |
| Lubricating Oil | ... | Gallons. | | 959 | 862 | 1,219 | 1,445 | 1,475 | + 30 |
| Cotton Piece-goods | ... | Pieces. | | 5,075 | 5,618 | 3,707 | 6,109 | 3,228 | — 2,881 |
| Yarns ... | ... | Bales. | | 13 | 9 | 11 | 16 | 9 | — 7 |
| Sarongs and Kains | ... | Corges. | | 329 | 316 | 371 | 360 | 352 | — 8 |
| Silk Piece-goods | ... | Pieces. | | 143 | 151 | 161 | 155 | 144 | — 11 |
| Twine ... | ... | Pikuls. | | 33 | 31 | 24 | 32 | 26 | — 6 |
| Woollen Cloth | ... | Pieces. | | 10 | 5 | 3 | 12 | 5 | — 7 |
| Cotton Blankets | ... | " | | 241 | 142 | 184 | 331 | 698 | + 367 |
| Woollen Blankets | ... | " | | 22 | 12 | 15 | 42 | 32 | — 10 |
| Bar Iron | ... | Cwts. | | 25 | 22 | 29 | 63 | 31 | — 2 |
| Corrugated Iron | ... | " | | 25 | 16 | 31 | 90 | 32 | — 58 |
| Nails ... | ... | " | | 67 | 59 | 71 | 83 | 27 | — 56 |
| Steel ... | ... | " | | 81 | 80 | 181 | 211 | 118 | — 93 |
| Tin Plates | ... | Boxes. | | 83 | 55 | 127 | 137 | 106 | — 31 |
| Wire Rope | ... | Cwts. | | 2 | 3 | 5 | 5 | 2 | — 3 |
| Yellow Metal | ... | " | | 7 | 9 | 2 | 4 | 3 | — 1 |
| Zinc Sheathing | ... | " | | 6 | 6 | 3 | 9 | 2 | — 7 |
| Dynamite | ... | Cases. | | 4 | 8 | 3 | 5 | 8 | + 3 |
| Cement ... | ... | Casks. | | 328 | 385 | 335 | 458 | 370 | — 88 |
| Coke ... | ... | Tons. | | 53 | 5 | 3 | 3 | 3 | ... |
| Matches ... | ... | Cases. | | 44 | 41 | 54 | 60 | 78 | + 18 |
| Soap and Soda | ... | Pikuls. | | 87 | 88 | 46 | 61 | 61 | ... |
| Tar ... | ... | Casks. | | 5 | 2 | 5 | 6 | 6 | ... |
| Gunnies | ... | Bales. | | 105 | 104 | 116 | 88 | 112 | + 24 |

APPENDIX K.

Export Values of Principal Straits Produce.

The principal articles of Straits produce exported from the Colony and their values during the last three years are stated below *in thousands of dollars* :—

| | | | 1919. | 1920. | 1921. | Increase or Decrease in | |
|-------------------|-----|-----|---------|---------|---------|----------------------------|---------|
| | | | — | — | — | 1921. | |
| | | | \$ | \$ | \$ | \$ | |
| Tin | ... | ... | 128,720 | 127,764 | 58,445 | — | 69,319 |
| Gums | ... | ... | 312,782 | 288,129 | 102,464 | — | 185,665 |
| Spices | ... | ... | 28,242 | 23,222 | 16,007 | — | 7,215 |
| Copra | ... | ... | 33,776 | 45,753 | 27,620 | — | 18,133 |
| Gambier | ... | ... | 3,070 | 2,785 | 1,424 | — | 1,361 |
| Sago | ... | ... | 10,884 | 8,111 | 3,688 | — | 4,423 |
| Tapioca | ... | ... | 12,781 | 6,694 | 4,587 | — | 2,107 |
| Rattans | ... | ... | 4,564 | 8,158 | 6,202 | — | 1,956 |
| Tanned Hides | ... | ... | 5,450 | 7,444 | 6,038 | — | 1,406 |
| Coconut Oil | ... | ... | 6,053 | 5,808 | 3,788 | — | 2,020 |
| Phosphate of Lime | ... | ... | 883 | 1,193 | 1,335 | + | 142 |
| Coffee | ... | ... | 4,559 | 7,480 | 2,474 | — | 5,006 |
| Shells | ... | ... | 1,243 | 1,137 | 421 | — | 716 |
| Preserved Pines | ... | ... | 3,286 | 7,178 | 6,210 | — | 968 |

APPENDIX L.

Export Quantities of Principal Straits Produce.

The annexed table gives the export quantities of Straits produce *in thousands of pikuls* for five years with the increase or decrease in 1920, compared with 1921 :—

| | | | How stated. | 1917. | 1918. | 1919. | 1920. | 1921. | Increase or Decrease in | |
|--|-----|-----------------------------------|----------------|-------|-------|-------|-------|-------|----------------------------|--|
| | | | — | — | — | — | — | — | 1921. | |
| Coffee | ... | Pikuls. | 51 | 27 | 137 | 208 | 121 | — | 87 | |
| Sago | ... | " | 772 | 449 | 1,055 | 864 | 678 | — | 186 | |
| Tapioca | ... | " | 675 | 655 | 912 | 601 | 691 | + | 90 | |
| Arecanuts | ... | " | 906 | 897 | 947 | 809 | 829 | + | 20 | |
| Nutmegs | ... | " | 22 | 21 | 22 | 18 | 22 | + | 4 | |
| Black Pepper | ... | " | 306 | 273 | 315 | 170 | 127 | — | 43 | |
| White Pepper | ... | " | 114 | 79 | 85 | 84 | 138 | + | 54 | |
| Copra | ... | " | 1,304 | 924 | 1,913 | 1,994 | 2,260 | + | 266 | |
| Gambier | ... | " | 188 | 188 | 160 | 147 | 120 | — | 27 | |
| Gum Benjamin | ... | " | 18 | 18 | 26 | 18 | 20 | + | 2 | |
| Borneo and India | | | | | | | | | | |
| Rubber | ... | " | 5 | 1 | 1 | 4 | 2 | — | 2 | |
| Gum Copal | ... | " | 69 | 48 | 75 | 70 | 27 | — | 43 | |
| Gutta Percha | ... | " | 66 | 53 | 55 | 60 | 23 | — | 37 | |
| Gutta Inferior includ- ing Jelutong | ... | " | 88 | 20 | 109 | 61 | 39 | — | 22 | |
| Para Rubber | ... | Centals of 100 lbs. Pikuls. | 2,164 | 2,455 | 3,960 | 3,417 | 3,288 | — | 129 | |
| Hides, Raw | ... | " | 39 | 19 | 42 | 37 | 11 | — | 26 | |
| Hides, Tanned | ... | " | 65 | 54 | 57 | 64 | 73 | + | 9 | |
| Horns | ... | " | 2 | 1 | 4 | 3 | 2 | — | 1 | |
| Oil Cakes | ... | " | 66 | 122 | 118 | 80 | 72 | — | 8 | |
| Rattans | ... | " | 333 | 285 | 378 | 429 | 362 | — | 67 | |
| Shells | ... | " | 19 | 22 | 26 | 19 | 13 | — | 6 | |
| Tin | ... | " | 1,076 | 925 | 997 | 828 | 704 | — | 124 | |
| Preserved Pine- apples | ... | Cases. | 247 | 109 | 256 | 447 | 662 | + | 215 | |

| | | <i>1906 to</i> <i>1910.</i> | <i>1911 to</i> <i>1915.</i> | <i>1916.</i> | <i>1917.</i> | <i>1918.</i> | <i>1919.</i> | <i>1920.</i> | <i>1921.</i> |
|-----------------------|--------|------------------------------------|------------------------------------|--------------|-------------------|--------------|--------------|--------------|--------------|
| Average Annual Value. | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports from ... | 34,389 | 42,906 | 48,182 | 46,548 | 56,047 | 54,729 | 157,152 | 66,256 | |
| Exports to ... | 66,823 | 84,920 | 93,571 | 99,186 | 55,096 | 135,822 | 107,697 | 48,252 | |
| | | | | | Decrease, Imports | | ... | | 90,896 |
| | | | | | Decrease, Exports | | ... | | 59,445 |

UNITED KINGDOM.

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|-----------------------------------|--------|--------|---------------------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Glass Bottles ... | 107 | 62 | Oil Cloth and Linoleum ... | 283 | 50 |
| Dentists' and Druggists' Sundries | 131 | 61 | Toilet Soap ... | 752 | 164 |
| Zinc Sheathing ... | 132 | 22 | Woodenware ... | 334 | 145 |
| Linen Cloth ... | 123 | 12 | Plated and Silverware ... | 262 | 136 |
| Copperware ... | 124 | 122 | Port wine ... | 205 | 22 |
| Anchors and Chains ... | 233 | 85 | Gin ... | 192 | 73 |
| Ships and Boats ... | 892 | 50 | Provisions, including Butter, | | |
| Stones of Sorts ... | 125 | 21 | Cheese, Milk, Hams and Bacon | 480 | 179 |
| Towels and Napery ... | 242 | 93 | Chemicals ... | 1,479 | 406 |
| Brushes and Brushware ... | 102 | 31 | Telegraph and Telephone Mate- | | |
| Tinware ... | 133 | 23 | rials ... | 635 | 759 |
| Twine ... | 231 | 17 | Perfumery ... | 1,244 | 201 |
| Woollen Blankets ... | 238 | 54 | Machinery, including Electrical | | |
| Unions ... | 186 | 119 | Goods ... | 6,502 | 6,769 |
| Cartridges ... | 100 | 70 | Coal ... | 15 | 209 |
| Champagne ... | 136 | 29 | Paints ... | 1,914 | 651 |
| Wine, Still of Sorts ... | 218 | 21 | Motor Cars, Motor Cycles, Parts | | |
| Engineer's Stores ... | 216 | 151 | and Accessories ... | 2,898 | 1,471 |
| Cotton Piece Goods ... | 65,168 | 17,619 | Cycles, Parts and Accessories | 2,186 | 207 |
| Apparel, Hosiery and Millinery... | 5,313 | 1,861 | Malt Liquors ... | 2,067 | 677 |
| Cotton, sewing thread ... | 1,531 | 777 | Biscuits ... | 2,020 | 280 |
| Tobacco ... | 848 | 862 | Tools and Implements ... | 1,127 | 770 |
| Cement ... | 1,853 | 1,168 | Tin Plates ... | 2,033 | 1,397 |
| Soap and Soda ... | 1,24 | 1,339 | Textiles not enumerated ... | 1,298 | 290 |
| Corrugated Iron ... | 2,061 | 349 | Bar and Rod Iron ... | 638 | 225 |
| Boots and Shoes ... | 1,143 | 243 | Fancy Goods, Toys and Sporting | | |
| Drugs and Medicines ... | 746 | 296 | Materials ... | 359 | 238 |
| Woollen Cloth ... | 1,330 | 350 | Lamps and Lampware ... | 271 | 189 |
| Hats and Caps ... | 1,389 | 687 | Silk Thread ... | 177 | 123 |
| Glass and Glassware ... | 319 | 107 | Cabinetware ... | 238 | 127 |
| Earthenware and Crockery ... | 362 | 338 | Cotton Handkerchiefs ... | 1,683 | 268 |
| Brassware ... | 465 | 320 | India Rubber Goods, including | | |
| Hardware and Ironware, includ- | | | Tyres ... | 568 | 224 |
| ing Cooking utensils ... | 6,675 | 5,711 | Brandy ... | 2,222 | 321 |
| Sarongs, Slendangs and Kains | 2,982 | 1,938 | Confectionery ... | 489 | 46 |
| Yarns ... | 3,670 | 1,110 | Oilman's Sundries ... | 461 | 88 |
| Cigars and Cigarettes ... | 3,336 | 4,507 | Bricks and Tiles ... | 229 | 257 |
| Whisky ... | 1,538 | 1,553 | Leather, dressed, etc. ... | 734 | 100 |
| Tinned and Bottled Provisions, | | | Yellow Metal sheathing ... | 260 | 157 |
| excluding Milk, Biscuits and | | | Carpets and Rugs ... | 393 | 141 |
| Butter and Cheese ... | 1,993 | 544 | Iron Nails (Wire and Rose) ... | 422 | 158 |
| Steel ... | 2,495 | 1,033 | Gas materials ... | 556 | 135 |
| Paper and Stationery ... | 2,368 | 1,588 | Books and Maps ... | 218 | 198 |
| Canvas ... | 1,233 | 158 | Ship's Stores direct ... | 193 | 177 |
| Linseed Oil ... | 622 | 122 | Detonators and Fuse ... | 117 | 104 |
| Tramway and Railway Materials | 392 | 261 | Cotton Blankets ... | 73 | 28 |
| Silk Piece Goods ... | 576 | 158 | Wire Rope ... | 229 | 73 |
| Dynamite ... | 248 | 283 | Other Manufactured | | |
| Tar ... | 168 | 166 | Metals of sorts ... | 202 | 118 |
| Photo and Cinematograph materials | 328 | 244 | Iron, Pig ... | 358 | 20 |
| Coke ... | 222 | 185 | Stationery ... | 1,221 | 1,122 |
| Roofing and Building Materials | 72 | 149 | | | |

CONTINENT OF EUROPE.

IMPORTS FROM:

| Average Annual value. | 1906 to 1910. | 1911 to 1915 | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------|---------------|--------------|--------|-------|-------|-------|--------|--------|
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Austria ... | 1,274 | 1,415 | ... | 27 | ... | ... | ... | 2 |
| Belgium ... | 2,091 | 2,210 | ... | 1 | ... | 83 | 2,814 | 1,132 |
| Denmark ... | 98 | 479 | 387 | 198 | 75 | 80 | 712 | 765 |
| France ... | 1,702 | 2,675 | 3,299 | 2,333 | 1,351 | 2,293 | 3,706 | 3,336 |
| Germany ... | 5,366 | 4,844 | ... | 1 | ... | ... | 1,979 | 882 |
| Italy ... | 2,496 | 3,938 | 4,497 | 2,236 | 1,197 | 1,195 | 5,689 | 3,099 |
| Netherlands ... | 2,209 | 2,549 | 2,669 | 782 | 213 | 1,163 | 6,250 | 3,023 |
| Russia ... | 42 | 43 | ... | ... | ... | ... | ... | ... |
| Spain ... | 100 | 118 | 249 | 189 | 385 | 162 | 268 | 33 |
| Sweden ... | 101 | 148 | 416 | 161 | 51 | 53 | 809 | 226 |
| Norway ... | 12 | 391 | 2,223 | 755 | 33 | 50 | 549 | 33 |
| TOTAL ... | 15,491 | 18,810 | 13,740 | 6,683 | 3,305 | 5,079 | 22,776 | 12,531 |

CONTINENT OF EUROPE—Continued.

| Average Annual value. | EXPORTS TO: | | | | | | | |
|--------------------------|---------------------|---------------------|--------|--------|--------|--------|----------|--------|
| | 1906 to 1910. | 1911 to 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Austria ... | 2,852 | 3,088 | ... | ... | ... | ... | ... | ... |
| Belgium ... | 2,623 | 1,793 | ... | ... | ... | 3,546 | 5,010 | 826 |
| Denmark ... | 927 | 3,020 | 1,913 | 3,114 | 300 | 9,285 | 19,991 | 1,554 |
| France ... | 9,594 | 11,820 | 11,260 | 15,172 | 21,636 | 27,680 | 25,086 | 11,165 |
| Germany ... | 8,340 | 11,598 | ... | ... | ... | ... | 2,631 | 10,616 |
| Italy ... | 3,642 | 3,174 | 3,807 | 7,183 | 8,444 | 6,832 | 6,923 | 3,593 |
| Netherlands ... | 1,901 | 1,194 | 135 | ... | 42 | 1,770 | 11,340 | 9,791 |
| Russia ... | 3,668 | 5,669 | 16,080 | 8,048 | ... | ... | ... | ... |
| Spain ... | 728 | 758 | 631 | 643 | 77 | 300 | 543 | 2,748 |
| Sweden ... | 304 | 378 | ... | ... | ... | 211 | 6 | 3 |
| Norway ... | 4 | 11 | ... | ... | ... | 67 | ... | 2 |
| TOTAL ... | 34,583 | 42,503 | 33,826 | 34,160 | 30,499 | 49,691 | 71,530 | 40,298 |
| Decrease, Imports ... | | | | | | | \$10,245 | |
| Decrease, Exports ... | | | | | | | \$31,232 | |

Imports.

DENMARK.

| | 1920. | 1921. | | 1920. | 1921. |
|-----------------------|-------|-------|------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Butter and Cheese ... | 81 | 59 | Beer and Ale ... | 144 | 34 |
| Cement ... | 180 | 573 | Matches ... | 18 | ... |

FRANCE.

| | | | | | |
|----------------------|-------|-------|--------------------------|-----|-----|
| Brandy ... | 1,415 | 1,099 | Cotton Sarongs ... | ... | 172 |
| Wines ... | 171 | ... | Oilman's Stores ... | 87 | 66 |
| Umbrellas ... | 88 | 59 | Perfumery ... | 254 | 213 |
| Milk ... | ... | ... | Silk Piece Goods ... | 109 | 42 |
| Rubber Tyres ... | 327 | 511 | Paper and Stationery ... | 42 | 156 |
| Bricks and Tiles ... | 201 | 74 | Gold Thread ... | 66 | 40 |
| Apparel ... | 256 | 34 | Motor Cars ... | 123 | 359 |

ITALY.

| | | | | | |
|---------------------------------|-------|-----|--------------------------------|-----|-----|
| Milk ... | 174 | 138 | Yarns ... | 156 | 79 |
| Clocks and Watches ... | 11 | ... | Apparel, Hosiery and Millinery | 323 | 30 |
| Sarongs, Slendangs and Kains... | 144 | 20 | Marble ... | 175 | 44 |
| Cotton Piece Goods ... | 1,054 | 596 | Paper and Stationery ... | 209 | 448 |
| Hats and Caps ... | 938 | 94 | Silk Piece Goods ... | 53 | 43 |
| Rubber Tyres ... | 1,256 | 274 | Motor Cars and Parts ... | 598 | 298 |
| Cement ... | 63 | 501 | | | |

THE NETHERLANDS.

| | | | | | |
|--|-------|-----|--------------------------------|-----|-----|
| Cotton Piece Goods ... | 1,651 | 220 | Milk, Condensed and Sterilized | 14 | 704 |
| Butter and Cheese ... | 463 | 139 | Silk Piece Goods ... | 140 | 3 |
| Earthenware and Crockery ... | 142 | 164 | Yarns ... | 121 | 37 |
| Sarongs and Slendangs ... | 185 | 246 | Provisions ... | 159 | ... |
| Hardware, Ironware and Cook- ing utensils ... | 580 | 329 | Cigars and Cigarettes ... | 52 | 29 |
| Beer and Ale ... | 188 | 37 | Gin ... | 53 | 49 |
| Cotton Blankets ... | 301 | 395 | Tobacco ... | 124 | 38 |
| Brandy ... | 262 | 73 | Oilman's Stores ... | 160 | 47 |
| Acetic Acid ... | 688 | 9 | Apparel, Hosiery, etc. ... | 186 | 31 |
| | | | Lamps and Lampware ... | 8 | 28 |

NORWAY.

| | | | | | |
|---------|-----|-----|----------------|-----|---|
| Milk .. | 321 | ... | Provisions ... | 112 | 2 |
|---------|-----|-----|----------------|-----|---|

GERMANY.

| | | | 1920. | 1921. | | | 1920. | 1921. |
|--------------|-----|-----|-------|-------|--------------|-----|-------|-------|
| Milk ... | ... | ... | 174 | 5 | Apparel ... | ... | 271 | 77 |
| Ironware ... | ... | ... | 116 | 128 | Hardware ... | ... | 156 | 77 |
| Lamps ... | ... | ... | 155 | 57 | Beer ... | ... | 420 | 125 |

BELGIUM.

| | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----------------------------------|-----|-----|-----|
| Milk ... | ... | ... | 110 | ... | Glassware ... | ... | 480 | 170 |
| Cards, Playing ... | ... | ... | 127 | 74 | Ironware ... | ... | 232 | 63 |
| Cooking Utensils ... | ... | ... | 175 | 24 | Motor Cars ... | ... | 162 | 75 |
| Iron Nails ... | ... | ... | 150 | 69 | Sewing Thread ... | ... | 124 | 110 |
| Cotton Piece Goods ... | ... | ... | 154 | 24 | Zinc Sheathing ... | ... | 164 | 9 |
| Cotton Blankets ... | ... | ... | 136 | 19 | Telephone and Telegraph Materials | 186 | ... | ... |

SPAIN.

| | | | | | | | | |
|----------|-----|-----|-----|-----|----------------|-----|-----|---|
| Salt ... | ... | ... | ... | ... | Provisions ... | ... | 189 | 3 |
|----------|-----|-----|-----|-----|----------------|-----|-----|---|

SWEDEN.

| | | | | | | | | |
|-------------------------|-----|-----|-----|----|----------------|-----|-----|-----|
| Matches ... | ... | ... | 470 | 32 | Motor Cars ... | ... | 103 | ... |
| Paper and Paperware ... | ... | ... | 118 | 55 | | | | |

UNITED STATES OF AMERICA.

| | Average Annual Value. | 1906 to 1910. | 1911 to 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-------------|-----------------------|---------------|---------------|---------|---------|---------|---------|--------|-------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports ... | 3,433 | 5,575 | 11,290 | 15,760 | 17,207 | 29,500 | 47,954 | 25,626 | |
| Exports ... | 28,403 | 53,916 | 134,464 | 207,077 | 216,764 | 302,327 | 290,110 | 97,865 | |

Decrease, Imports ... \$22,328

Decrease, Exports ... \$192,245

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|--------------------------------------|-------|-------|--------------------------------|--------|-------|
| | \$ | \$ | | \$ | \$ |
| Boots and Shoes ... | 176 | 44 | Oil Cloth and Linoleum ... | 326 | 17 |
| Cigars and Cigarettes ... | 8,404 | 4,895 | Lamps ... | 122 | 86 |
| Machinery ... | 3,008 | 1,568 | Preserved Vegetable ... | 140 | 25 |
| Nails and Wire ... | 748 | 184 | Paints ... | 142 | 38 |
| Tinned Provisions, including | | | Grease ... | 37 | 195 |
| Fruits ... | 2,728 | 868 | Iron, Corrugated ... | 154 | ... |
| Steel ... | 430 | 284 | Woodenware ... | 163 | 21 |
| Petroleum ... | 1,451 | 2,388 | Tools and Implements ... | 537 | 154 |
| Playing Cards ... | 157 | 77 | Lubricating Oil ... | 1,238 | 2,386 |
| Rubber Tyres ... | 1,948 | 216 | Hardware, Ironware and Cook- | | |
| Paper and Stationery ... | 1,362 | 361 | ing Utensils ... | 1,571 | 1,143 |
| Photo and Cinema Materials ... | 720 | 266 | Tobacco ... | 431 | 107 |
| Other Manufactured Textiles of sorts | 48 | 54 | Motor Cars and Accessories ... | 12,632 | 2,870 |
| Beer and Ale ... | 119 | ... | Perfumery ... | 211 | 20 |
| Drugs and Medicines ... | 117 | 107 | Tramway and Railway Materials | 184 | 434 |
| Brassware ... | 90 | 77 | Tin Plates ... | 317 | 684 |
| Chemicals ... | 82 | 74 | Cotton Piece Goods ... | 151 | 52 |
| Confectionery ... | 270 | 15 | Milk ... | 3,834 | 1,446 |
| Tin-ore ... | 547 | ... | Leatherware ... | 215 | 45 |
| Canvas ... | 224 | 20 | Roofing and Building Materials | 217 | 89 |
| Manure, other kinds... | 105 | ... | Bar, Iron and Nail Rod ... | 36 | ... |
| Acetic Acid ... | 621 | 44 | Apparel ... | 429 | 107 |

Value of Exports of Straits Produce in Thousands of Dollars to the United Kingdom, European Continental Countries and the United States of America in 1920 and 1921.

| — | | Tin. | Gambier. | Sago. | Black & White Pepper. | Tapoca. | Copra. | Rattans | Jelutong. | Gutta Percha. | Borneo Rubber. | Para Rubber. | Hides. | Preserved Pines. | Gum Copal. | Shells. | Oil Cakes. | Illipi Nuts. | Phosphate of Lime. | India Rubber. | Wolfram Ore. | Coconut Oil. | Coffee. | Isinglass. |
|----------------------------|------|--------|----------|--------|-----------------------|---------|--------|---------|-----------|---------------|----------------|--------------|--------|------------------|------------|---------|------------|--------------|--------------------|---------------|--------------|--------------|---------|------------|
| United Kingdom ... { | 1920 | 34,344 | 299 | 3,929* | 3,243 | 1,263 | 5,649 | 1,270 | 110 | 6,058 | ... | 40,506 | 1,054 | 5,122 | 439 | 140 | 38 | 663 | ... | 247 | 131 | 626 | 51 | 217 |
| | 1921 | 16,338 | 90 | 1,301 | 1,960 | 917 | 3,115 | 228 | 11 | 2,411 | ... | 13,333 | 137 | 5,692 | 114 | 80 | 51 | 19 | ... | ... | 3 | ... | 3 | 140 |
| United States of America { | 1920 | 73,095 | 1,081 | 384 | 588 | 723 | 399 | 2,725 | 2,257 | 1,646 | ... | 202,008 | 120 | 234 | 1,945 | 5 | ... | ... | ... | 80 | ... | 25 | 85 | ... |
| | 1921 | 27,573 | 537 | 197 | 970 | 298 | ... | 1,650 | 645 | 390 | ... | 64,264 | 15 | 61 | 242 | 19 | ... | ... | ... | ... | ... | ... | ... | ... |
| Austria ... { | 1920 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1921 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Belgium ... { | 1920 | 20 | 6 | 523 | 23 | 4 | 3,291 | 35 | 5 | ... | ... | 362 | 6 | ... | 2 | ... | ... | 420 | ... | ... | ... | 185 | 106 | ... |
| | 1921 | 72 | 15 | 196 | 45 | 24 | 355 | 12 | ... | ... | ... | 38 | ... | 1 | ... | ... | 59 | ... | ... | ... | ... | ... | 3 | ... |
| Denmark ... { | 1920 | ... | 40 | 106 | 51 | 132 | 19,578 | 17 | ... | ... | ... | 13 | ... | 36 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1921 | ... | ... | 8 | ... | 135 | 1,326 | 1 | ... | ... | ... | 26 | ... | 42 | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... |
| France ... { | 1920 | 7,231 | 361 | 202 | 508 | 347 | 5,880 | 834 | 2 | 163 | ... | 3,756 | 195 | 85 | 78 | 148 | ... | 1,195 | ... | ... | 105 | 28 | 3,341 | ... |
| | 1921 | 3,990 | 42 | 470 | 14 | 307 | 4,402 | 466 | 3 | 22 | ... | 816 | 29 | 28 | 16 | 6 | ... | 21 | ... | ... | ... | ... | 289 | ... |
| Germany ... { | 1920 | ... | ... | ... | ... | 92 | 960 | 328 | ... | 23 | ... | 1,062 | ... | ... | 12 | ... | ... | ... | ... | ... | 5 | ... | 7 | ... |
| | 1921 | 242 | 16 | 5 | 1,077 | 205 | 6,591 | 666 | 3 | 82 | ... | 1,497 | ... | 15 | 53 | 8 | ... | ... | ... | ... | ... | ... | ... | 12 |

*Value of Exports of Straits Produce in Thousands of Dollars to the United Kingdom, European Continental Countries and
the United States of America in 1920 and 1921.—Concluded.*

| — | | Tin. | Gambier. | Sago. | Black & White Pepper. | Tapioca. | Copra. | Rattans. | Jelutong. | Gutta Percha. | Borneo Rubber. | Para Rubber. | Hides. | Preserved Pines. | Gum Copal. | Shells. | Oil Cakes. | Illipi Nuts. | Phosphate of Lime. | India Rubber. | Wolfram Ore. | Coconut Oil. | Coffee. | Isinglass. |
|---------------------|---|------|----------|-------|-----------------------|----------|--------|----------|-----------|---------------|----------------|--------------|--------|------------------|------------|---------|------------|--------------|--------------------|---------------|--------------|--------------|---------|------------|
| Holland | { | 1920 | 134 | 1 | 460 | 7 | 17 | 9,259 | 196 | 4 | 3 | ... | 441 | 3 | 93 | 24 | 3 | 2 | 139 | ... | ... | ... | 376 | 55 |
| | { | 1921 | ... | ... | 139 | 157 | 1 | 8,809 | 18 | ... | ... | 339 | ... | 60 | 25 | 4 | 2 | ... | ... | ... | ... | ... | 116 | ... |
| Italy | { | 1920 | 1,912 | 60 | 1,306 | 818 | 5 | 379 | 123 | 1 | 78 | ... | 2,064 | 5 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 32 |
| | { | 1921 | 1,780 | 8 | 355 | 200 | 4 | 102 | 27 | 2 | 1 | ... | 1,057 | ... | 6 | ... | ... | ... | ... | ... | ... | ... | 2 | ... |
| Russia | { | 1920 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | { | 1921 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Spain | { | 1920 | 7 | 3 | 139 | 21 | 4 | 344 | 1 | ... | ... | 11 | 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | { | 1921 | 62 | 5 | 147 | 36 | ... | 2,414 | 1 | ... | ... | 43 | 18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | 1 |
| Sweden | { | 1920 | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | { | 1921 | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Norway | { | 1920 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | { | 1921 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Continent of Europe | { | 1920 | 9,304 | 471 | 2,736 | 1,428 | 601 | 39,691 | 1,449 | 12 | 267 | ... | 7,709 | 220 | 215 | 116 | 151 | 2 | 1,754 | ... | ... | 110 | 589 | ... |
| | { | 1921 | 6,146 | 86 | 1,320 | 1,529 | 676 | 23,999 | 1,193 | 8 | 105 | ... | 3,816 | 47 | 152 | 94 | 18 | 61 | 21 | ... | ... | ... | 432 | 13 |

AUSTRALIA AND NEW ZEALAND.

| <i>Average Annual Value.</i> | <i>1906 to 1910.</i> | <i>1911 to 1915.</i> | <i>1916.</i> | <i>1917.</i> | <i>1918.</i> | <i>1919.</i> | <i>1920.</i> | <i>1921.</i> |
|------------------------------|----------------------|----------------------|--------------|--------------|-------------------|--------------|--------------|--------------|
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | ... 5,782 | 7,481 | 5,841 | 9,580 | 9,052 | 19,548 | 30,276 | 15,805 |
| Exports | ... 1,823 | 2,185 | 2,787 | 3,468 | 3,752 | 1,808 | 4,019 | 2,230 |
| | | | | | Decrease, Imports | | | \$14,471 |
| | | | | | do. Exports | | | \$1,789 |

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|--------------------------------|-------|-------|-----------------------------------|--------|-------|
| | \$ | \$ | | \$ | \$ |
| Steel | ... | ... | Beer and Ale | 112 | 5 |
| Horses | 222 | 50 | Sandalwood | 945 | ... |
| Sheep | 185 | 191 | Wheat Flour | 10,038 | 2,117 |
| Machinery | 220 | 266 | Soap and Soda | 151 | 68 |
| Fresh Meat | 1,471 | 1,579 | Hams and Bacon | 459 | 455 |
| Butter and Cheese | 1,662 | 776 | Leather, dressed | 489 | 91 |
| Coal | 7,024 | 3,464 | Bread and Biscuits | 537 | 24 |
| Grains and Straw, unenumerated | 124 | 64 | Tramway and Railway Materials | ... | 104 |
| Milk | 4,532 | 5,613 | Oilman's Stores | 918 | 185 |
| Rubber Tyres | 100 | 100 | Fruits, fresh, other sorts | 224 | 98 |

Exports.

| | | | | | | | | | |
|----------------------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|
| Para Rubber | ... | ... | 533 | 293 | Rattans | ... | ... | 108 | 101 |
| Preserved Pineapples | ... | ... | 19 | 86 | Phosphate of lime | ... | ... | 507 | 511 |
| Nutmegs and Mace | ... | ... | 103 | 75 | Pepper | ... | ... | 472 | 360 |
| Tapioca | ... | ... | 835 | 429 | Rice | ... | ... | 64 | 30 |

BRITISH INDIA AND BURMA.

| | | | | | | | | | |
|------------------------------|-----|------------------------------|------------------------------|--------------|--------------|-------------------|--------------|--------------|--------------|
| <i>Average Annual Value.</i> | { | <i>1906 to 1910.</i> | <i>1911 to 1915.</i> | <i>1916.</i> | <i>1917.</i> | <i>1918.</i> | <i>1919.</i> | <i>1920.</i> | <i>1921.</i> |
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | ... | 40,005 | 46,841 | 46,692 | 59,591 | 81,509 | 66,600 | 120,411 | 49,865 |
| Exports | ... | 14,408 | 17,008 | 19,185 | 34,142 | 31,734 | 34,025 | 35,915 | 20,872 |
| | | | | | | | | | |
| | | | | | | Decrease, Imports | ... | | 70,546 |
| | | | | | | Decrease, Exports | ... | | 15,043 |

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|--------------------------------|--------|--------|----------------------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Raw Hides ... | 756 | 522 | Ground-nuts ... | 162 | 12 |
| Vegetables ... | 444 | 375 | Seeds, Coriander ... | 558 | 400 |
| Opium ... | 11,746 | 8,714 | Ghee ... | 1,343 | 928 |
| Rice ... | 50,733 | 12,320 | Bran ... | 9,048 | 2,056 |
| Sarongs and Slendangs ... | 9,065 | 5,560 | Cigars and Cigarettes ... | 298 | 213 |
| Goats' Skins ... | 571 | 601 | Yarn ... | 5,353 | 1,703 |
| Onions and Garlic ... | 1,472 | 1,213 | Cotton Piece Goods ... | 1,292 | 225 |
| Twine ... | 893 | 324 | Curry Stuffs ... | 1,683 | 913 |
| Wheat Flour ... | 821 | 707 | Castor Oil ... | 43 | 26 |
| Coal ... | 6,671 | 392 | Sheep, Cattle and Goats ... | 1,107 | 741 |
| Gunnies ... | 4,680 | 2,708 | Tobacco ... | 969 | 652 |
| Preserved Fruits ... | 887 | 567 | Books and Maps ... | 98 | 79 |
| Wax ... | 130 | 372 | Candles ... | 223 | 81 |
| Beans and Peas ... | 914 | 569 | Tea ... | 116 | 92 |
| Oil Cakes ... | 223 | 95 | Para Rubber ... | 421 | 307 |
| Crushed Food and Gram ... | 316 | 160 | Coir Rope ... | 326 | 197 |
| Manure, other kinds ... | 242 | 223 | Cloves... .. | 323 | 571 |
| Chemicals ... | 200 | 43 | Tin Ore ... | 1,250 | 2,063 |
| Apparel and Hosiery ... | 106 | 106 | Drugs and Medicines ... | 354 | 132 |
| Dholl ... | 635 | 518 | Kachang Oil ... | 184 | 10 |
| Manufactured Textiles of sorts | 132 | ... | Provisions, Fresh and Salted ... | 77 | 95 |
| Leatherware ... | 139 | 83 | Sharks' Fins ... | 524 | 197 |
| Copra ... | 173 | 69 | Paints and Varnishes ... | 111 | 83 |
| Maize and Mealie Meal ... | 205 | ... | Tinplates ... | 120 | 16 |
| Milk, Condensed and Sterilized | 29 | 156 | Lubricating Oil ... | 136 | 111 |
| Tanned Hides ... | 289 | 65 | Saltpetre ... | 69 | 106 |
| Seeds, other sorts ... | 120 | 124 | | | |

BRITISH INDIA AND BURMA—Continued.

Exports.

| | 1920. | 1921. | | 1920. | 1921. |
|---|-------|-------|------------------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Teelseed ... | 34 | ... | Silk Piece Goods ... | 88 | 15 |
| Arecanuts ... | 7,508 | 5,580 | Tin ... | 5,568 | 3,837 |
| Pepper ... | 366 | 218 | Rice and Padi ... | 2,555 | 16 |
| Coffee ... | 723 | 263 | Sago ... | 673 | 542 |
| Raw Silk ... | 59 | 3 | Planks ... | 524 | 187 |
| Tapioca ... | 1,193 | 901 | Curry Stuffs ... | 1 | 17 |
| Nutmegs and Mace... | 212 | 276 | Milk ... | 350 | 553 |
| Tea ... | 118 | 88 | Brassware ... | 13 | 4 |
| Preserved Pineapples | 415 | 61 | Ironware ... | 156 | 28 |
| Cotton Piece Goods | 327 | 149 | Provisions, Fresh and Salted | 590 | 373 |
| Sugar ... | 5,817 | 1,334 | Sarongs ... | 1,030 | 81 |
| Fish, Dry and Salted | 2,195 | 1,091 | Rattans ... | 404 | 270 |
| Gambier ... | 570 | 491 | Apparel, etc. ... | 113 | 38 |
| Gum Benjamin, Copal, Camphor and Damar ... | 766 | 965 | Coconuts ... | 326 | 199 |
| Tin Plates ... | 7 | ... | Lubricating Oil ... | 11 | ... |
| Gunnies ... | 51 | 59 | Sticklac ... | 1,748 | 283 |
| Cigars and Cigarettes | 11 | 1 | Iron Nails ... | 34 | ... |
| Cubebs ... | 74 | 56 | Rubber Tyres ... | 405 | 527 |
| India Rubber Goods | 144 | 206 | Beans and Peas ... | 112 | 68 |
| Motor Cars and Access: | 131 | 429 | Arrack and Samssoo | 39 | 15 |
| Oilman's Stores ... | 162 | 82 | Glass Bottles ... | 176 | 70 |
| Sandalwood ... | 115 | 15 | Petroleum ... | 101 | 4 |
| Onions and Garlic ... | 120 | 25 | Paperware ... | 257 | 40 |
| Cardamoms ... | ... | 211 | Crockery and Porcelain | 102 | 98 |

JAPAN.

| Average Annual Value. | 1906 to 1910. | 1911 to 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------|---------------|---------------|--------|--------|--------|--------|--------|--------|
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports ... | 6,787 | 11,927 | 22,792 | 34,701 | 50,399 | 35,699 | 46,604 | 22,520 |
| Exports ... | 3,011 | 4,904 | 11,685 | 17,855 | 26,941 | 25,399 | 16,438 | 17,400 |

Decrease, Imports ... \$24,084
Increase, Exports ... \$ 962

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|---|--------|--------|--|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Brassware ... | 141 | 74 | Canvas ... | 315 | 46 |
| Acetic Acid ... | 680 | 20 | Fishmaws ... | 61 | 106 |
| Tin Plates ... | 1,067 | ... | Sewing Thread ... | 256 | 131 |
| India Rubber Goods | 89 | 56 | Hats and Caps ... | 322 | 55 |
| Medicines ... | 143 | 54 | Cotton Blankets ... | 222 | 126 |
| Rubber Tyres ... | 1,332 | 153 | Provisions ... | 62 | 90 |
| Coal ... | 16,101 | 10,749 | Cotton Piece Goods | 6,027 | 1,881 |
| Carriages and Materials | 189 | 186 | Fish, Dry and Salted | 184 | 339 |
| Silk Piece Goods ... | 1,080 | 680 | Glass and Glassware | 682 | 323 |
| Towels and Napery ... | 443 | 169 | Apparel, Hosiery, etc. | 1,873 | 803 |
| Matches ... | 1,915 | 1,048 | Crockery and Porcelain | 676 | 370 |
| Umbrellas ... | 132 | 38 | Cabinet and Woodenware | 4,321 | 1,968 |
| Perfumery ... | 256 | 87 | Vegetables ... | 183 | 99 |
| Provisions in tins and bottles, except vegetables and fruits | 146 | 76 | Beer and Ale ... | 386 | 189 |
| Tea ... | 557 | 153 | Cement... .. | 685 | 90 |
| Chemicals ... | 388 | 170 | Hardware, Ironware and Cook- ing Utensils ... | 1,138 | 336 |
| Paper and Stationery | 975 | 335 | Bottles ... | 214 | 32 |
| Fancy Goods and Sporting Materials ... | 479 | 229 | Lamps and Lampware | 200 | 132 |
| Mats ... | 159 | 130 | Leather Boxes and Trunks | 228 | 29 |
| Milk Condensed ... | 261 | 17 | Machinery ... | 102 | 116 |
| | | | Motor-cars and Parts | 26 | 198 |

Exports.

| | 1920. | 1921. | | 1920. | 1921. |
|----------------------|-------|--------|-----------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Shells ... | 758 | 240 | Cotton Piece Goods | 13 | 32 |
| Tinware and Zincware | 67 | 16 | Drugs and Medicine | ... | 27 |
| Gambier ... | 64 | 16 | Phosphate of limes... | 685 | 613 |
| Raw cotton ... | 452 | 563 | Rattans ... | 315 | 740 |
| Goats' skins ... | 49 | 1 | Hides Cutting ... | 19 | ... |
| Copra ... | ... | 230 | Indigo, Synthetic ... | 8 | ... |
| Cutch ... | 13 | 96 | Sugar ... | 126 | ... |
| Opium ... | ... | ... | Sago Flour ... | 118 | 162 |
| Tin ... | 2,616 | 1,754 | Gunnies ... | 292 | ... |
| Para Rubber ... | 9,992 | 11,254 | Tin Plates ... | 100 | 80 |
| Gutta Percha ... | 48 | 509 | | | |

The trade with Kedah has been deducted and transferred to Malay Peninsula since 1910.

| | 1920. | 1921. | | 1920. | 1921. |
|----------------------|--------|--------|-----------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Teelseeds ... | 143 | 52 | Cotton Blankets ... | 2 | 164 |
| Yarn ... | 336 | 15 | Dammar Torches ... | 126 | 93 |
| Bark, Mangrove ... | 106 | 177 | Ironware ... | 91 | 16 |
| Rice ... | 434 | 31,287 | Gum Damar ... | 342 | 66 |
| Fish, Dry and Salted | 5,077 | 4,552 | Para Rubber ... | 558 | 186 |
| Tin and Ore ... | 15,569 | 6,227 | Sugar ... | 1,079 | 333 |
| Cattle ... | 3,237 | 973 | Planks and Timber... | 1,243 | 692 |
| Copra ... | 361 | 326 | Sticklac... | 1,112 | 319 |
| Bran ... | 3 | 2,268 | Silk Piece Goods ... | 672 | 319 |
| Hides, Raw ... | 1,019 | 213 | Swine ... | 1,000 | 395 |
| Salt ... | 792 | 748 | Black Pepper ... | 73 | 52 |
| Padi ... | ... | 591 | Firewood ... | 243 | 231 |
| Lard ... | 178 | 16 | Poultry ... | 201 | 330 |
| Cotton Piece Goods | 1,140 | 179 | Tobacco ... | 636 | 866 |
| Sarongs ... | 245 | 16 | Onions and Garlic ... | 234 | 143 |
| Gunnies ... | 171 | 1 | White Pepper ... | 39 | 44 |
| Provisions ... | 14 | 18 | Cement ... | 104 | ... |
| Beans and Peas ... | 213 | 91 | | | |

| | | | | | |
|--------------------------------|-------|-------|-----------------------------------|-------|-------|
| Cigarettes | 2,596 | 1,638 | Onions and Garlic | 117 | 68 |
| Kachang Oil | 136 | 81 | Motor Cars and Accessories | 122 | 170 |
| Ground-nuts | 129 | 30 | Coir Rope | 81 | 91 |
| Arrack and Samsoo... .. | 162 | 80 | Silk Piece Goods | 149 | 87 |
| Bran | 65 | 20 | Steel | 122 | 162 |
| Tin | 66 | 28 | Iron, Bar and Corrugated | 115 | 192 |
| Cotton Piece Goods | 4,420 | 4,537 | Lubricating Oil | 285 | 180 |
| Yarn | 1,080 | 1,274 | Apparel | 291 | 243 |
| Rice | 18 | 17 | Hardware, Ironware and | | |
| Provisions including Biscuits, | | | Cooking utensils | 486 | 600 |
| Butter, Lard, Oilman's stores | | | Gin, Whisky and Brandy | 103 | 78 |
| and Hams | 863 | 719 | Paints, Varnishes, etc. | 79 | 80 |
| Petroleum | 477 | 412 | Fish, Dry and Salted | 71 | 36 |
| Mats and Mattings | 205 | 201 | Sugar | 3,253 | 3,433 |
| Fruits | 123 | 102 | Gunnies | 437 | 821 |
| Wheat Flour | 405 | 196 | Sarongs | 731 | 782 |
| Blankets, Cotton | 106 | 614 | Tobacco and Cigars | 164 | 97 |
| Coconut Oil | 812 | 911 | Arecanuts | 704 | 494 |
| Planks | 412 | 279 | Milk | 754 | 679 |
| Curry Stuffs | 504 | 46 | Drugs and Medicines | 178 | 116 |
| Paper and Paperware | 124 | 105 | Rubber Tyres | 174 | 200 |
| Machinery | 131 | 184 | Liquid Fuel | 17 | 6 |
| Hats and Caps | 107 | 88 | Cement | 31 | 29 |
| Matches | 133 | 57 | Manufactured Textiles | 36 | 115 |
| Engines and Boilers | 396 | 124 | Tools and Implements | 135 | 119 |
| Coal | 304 | 20 | Blachan | 135 | 122 |
| Towels | 64 | 132 | Aerated Waters | 210 | 17 |

| | | | | | | | | | |
|------------------------------|--------|------------------------------|-------------------------------|--------------|--------------|-------------------|--------------|--------------|--------------|
| <i>Average Annual Value.</i> | { | <i>1906 to 1910.</i> | <i>1911. to 1915.</i> | <i>1916.</i> | <i>1917.</i> | <i>1918.</i> | <i>1919.</i> | <i>1920.</i> | <i>1921.</i> |
| | | — | — | — | — | — | — | — | — |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports ... | 72,268 | 91,564 | 117,906 | 152,411 | 171,740 | 175,735 | 184,834 | 92,184 | |
| Exports ... | 38,891 | 48,899 | 50,406 | 50,988 | 55,308 | 84,369 | 103,030 | 60,422 | |
| | | | | | | | | | |
| | | | | | | Decrease, Imports | ... | \$ | 92,650 |
| | | | | | | Do., Exports | ... | \$ | 42,608 |

FEDERATED MALAY STATES—Continued.

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|-----------------------------------|--------|--------|----------------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Apparel ... | 104 | 106 | Firewood ... | 55 | 183 |
| Machinery, other unenumerated ... | 104 | 136 | Ironware ... | 313 | 240 |
| Tin and Ore ... | 80,605 | 46,316 | Tapioca ... | 105 | 105 |
| Rice ... | 3,122 | 1,297 | Gambier ... | 116 | 53 |
| Fish, Dry and Salted ... | 357 | 488 | Raw Hides ... | 296 | 82 |
| Para Rubber ... | 89,759 | 34,329 | Copra ... | 5,928 | 5,010 |
| Cotton Piece Goods ... | 911 | 426 | Rattans ... | 151 | 252 |
| Timber ... | 286 | 462 | Gunnies ... | 178 | 186 |
| Tools, etc. ... | 66 | 47 | Sarongs, etc. (cotton) ... | 113 | 46 |
| Blachan ... | 88 | 140 | Motor Cars, etc. ... | 71 | 94 |
| Planks... .. | 70 | 117 | Iron Corrugated ... | 88 | 174 |

Exports.

| | | | | | |
|------------------------------------|--------|--------|--------------------------------|-------|-------|
| Acetic Acid ... | 465 | 151 | Lamps ... | 103 | 63 |
| Maize and Mealie Meal ... | 146 | 1 | Eggs, Fresh and Salted ... | 202 | 197 |
| Steel ... | 107 | 88 | Tin Ore ... | 102 | 10 |
| Rice ... | 26,212 | 15,902 | Molasses ... | 182 | 54 |
| Provisions, fresh and salted, Oil- | | | Roofing Materials ... | 106 | 34 |
| man's stores, Hams, Butter | | | Candles ... | 159 | 51 |
| and Cheese and Biscuits ... | 2,168 | 1,389 | Fireworks ... | 160 | 94 |
| Wheat Flour ... | 2,985 | 1,474 | Sarongs, etc. ... | 1,210 | 455 |
| Hardware, Ironware and Cook- | | | Joss Sticks and Joss Paper ... | 411 | 311 |
| ing utensils ... | 1,275 | 959 | Apparel, etc. ... | 740 | 289 |
| Beans and Peas ... | 1,005 | 738 | Matches ... | 794 | 343 |
| Malt Liquors ... | 738 | 259 | Ground-nuts ... | 338 | 214 |
| Fruits ... | 398 | 256 | Cotton Piece Goods ... | 4,735 | 2,199 |
| Lard ... | 187 | 81 | Swine ... | 1,824 | 546 |
| Onions and Garlic ... | 691 | 484 | Fish, Dry and Salted ... | 1,412 | 697 |
| Cement ... | 729 | 382 | Petroleum ... | 782 | 838 |
| Salt ... | 285 | 428 | Gin, Whisky and Brandy ... | 844 | 429 |
| Tobacco, Cigarettes and Cigars | 8,126 | 5,581 | Milk ... | 2,824 | 1,723 |
| Sugar ... | 4,103 | 2,146 | Earthenware and Crockery ... | 565 | 238 |
| Kachang and Coconut Oil ... | 3,420 | 1,805 | Machinery, including Sewing | | |
| Bran ... | 2,262 | 1,013 | Machines ... | 1,344 | 1,788 |
| Paper and Paperware ... | 551 | 362 | Tea ... | 924 | 554 |
| Vegetables ... | 1,146 | 792 | Ghee ... | 579 | 303 |
| Cattle ... | 621 | 142 | Motor Cars and Cycles ... | 2,382 | 523 |
| Coffee ... | 200 | 134 | Gunnies ... | 598 | 542 |
| Silk Piece Goods ... | 233 | 70 | Nails, Wire and Rose ... | 315 | 92 |
| Chandu ... | 4,262 | 2,724 | Tanned Hides ... | 137 | 60 |
| Cabinetware ... | 368 | 211 | Poultry ... | 89 | 65 |
| Mats and Matting ... | 168 | 125 | Planks ... | 574 | 135 |
| Woodenware ... | 1,710 | 769 | Coal ... | 142 | 13 |
| Textiles, unenumerated ... | 182 | 436 | Sheep and Goats ... | 156 | 100 |
| Bamboo and Rattanware ... | 173 | 76 | Curry Stuffs ... | 470 | 286 |
| Liquid Fuel ... | 186 | 315 | Rubber Goods including Tyres | 1,010 | 558 |
| Dynamite ... | 55 | 148 | Lubricating Oil ... | 646 | 806 |
| Corrugated Iron ... | 193 | 38 | Fresh Meat ... | 1,052 | 786 |
| Drugs and Medicines ... | 895 | 522 | Soap and Soda ... | 208 | 251 |
| Hats and Caps ... | 169 | 64 | Benzine ... | 374 | 507 |
| Padi ... | 288 | 340 | Dholl ... | 368 | 242 |
| Chemicals ... | 494 | 276 | Tools ... | 262 | 128 |
| Stationery ... | 298 | 145 | Paints ... | 222 | 79 |
| Arrack and Samsoo ... | 283 | 123 | Coke ... | 166 | 106 |
| Gram ... | 156 | 60 | Glass and Glassware ... | 167 | 70 |
| Bricks and Tiles ... | 103 | 72 | Oil-cakes ... | 176 | 54 |
| Carriage Materials ... | 158 | 53 | Confectionery ... | 155 | 81 |
| Seeds of Sorts ... | 101 | 113 | Tramway Materials ... | 711 | 8 |
| Seeds Coriander ... | 116 | 74 | Perfumery ... | 133 | 45 |
| Woollen Blankets ... | 102 | 16 | | | |

NETHERLANDS INDIA.

| Average Annual Value. | 1906 to 1910. | | 1911 to 1915. | | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------|---------------|--------|---------------|---------|---------|---------|---------|--------|-----------------------|--------|
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | 49,726 | 64,555 | 90,003 | 108,293 | 102,959 | 177,653 | 171,348 | 93,106 | | |
| Exports | 41,071 | 49,092 | 72,103 | 84,866 | 104,329 | 85,914 | 103,613 | 99,082 | | |
| | | | | | | | | | Decrease, Imports ... | 78,242 |
| | | | | | | | | | Decrease, Exports ... | 4,531 |

NETHERLANDS INDIA—Continued.

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|-------------------------|--------|--------|-------------------------------|--------|-------|
| | \$ | \$ | | \$ | \$ |
| Putch Leaf ... | 350 | 169 | Siak Beans ... | 121 | 57 |
| Arrack and Samsoo ... | 467 | 172 | Tapioca, Pearl ... | 57 | 7 |
| Trocas Shells ... | 465 | 58 | Cotton Piece Goods ... | 581 | 404 |
| Teel Seeds ... | 339 | 148 | Lubricating Oil ... | 919 | 222 |
| Poultry ... | 110 | 74 | Cloves ... | 145 | 11 |
| Raw Hides ... | 243 | 123 | Wax, Paraffin ... | 320 | 222 |
| Beans and Peas ... | 619 | 68 | Ironware ... | 446 | 431 |
| Paper and Paperware ... | 104 | 32 | Machinery and Sewing Machines | 113 | 78 |
| Chocolate and Cocoa ... | 262 | 199 | Bark, Mangrove ... | 237 | 314 |
| Drugs and Medicine ... | 221 | 212 | Curry Stuffs ... | 478 | 185 |
| Sugar ... | 24,362 | 17,526 | Para ... | 30,009 | 7,115 |
| Copra ... | 13,855 | 11,503 | Tobacco .. | 800 | 736 |
| Gambier ... | 887 | 393 | Sago ... | 2,607 | 1,344 |
| Arecanuts ... | 4,764 | 3,602 | Petroleum ... | 3,877 | 3,144 |
| Peppers ... | 8,448 | 4,323 | Sarongs and Slendangs | 2,362 | 2,025 |
| Gum Copal ... | 690 | 247 | Gutta Percha ... | 1,914 | 1,275 |
| Fish, Dry and Salted | 2,430 | 1,380 | Nutmegs and Mace ... | 901 | 519 |
| Coffee ... | 6,204 | 2,775 | Jelutong ... | 1,587 | 124 |
| Gum Benjamin ... | 619 | 667 | Charcoal ... | 771 | 509 |
| Tapioca Flour ... | 957 | 664 | Raw Cotton ... | 827 | 733 |
| Rattans ... | 6,121 | 3,335 | Liquid Fuel ... | 2,100 | 941 |
| Tin and Ore ... | 15,755 | 10,161 | Timber and Planks ... | 3,437 | 2,205 |
| Vegetables ... | 1,291 | 790 | Gum, Dammar ... | 740 | 216 |
| Ground-nuts ... | 2,159 | 882 | Benzine ... | 2,785 | 3,225 |
| Birds' Nests ... | 1,578 | 1,309 | Firewood ^d ... | 1,050 | 988 |
| Fresh Fish ... | 801 | 661 | Mats and Mattings ... | 498 | 316 |
| Illipi Nuts ... | 516 | 24 | Coal ... | 1,025 | 463 |
| Swine ... | 2,968 | 119 | Cardamoms ... | 171 | 180 |
| Milk ... | 1,903 | 6 | Kachang Oil ... | 251 | 7 |
| Cubebs ... | 263 | 83 | Tapioca Flake ... | 2 | ... |
| Beche-de-mer ... | 201 | 81 | Molasses ... | 303 | 71 |
| Motor Cars ... | 1,001 | 132 | Oil of Sorts ... | 103 | 25 |
| Blachan ... | 542 | 484 | Tortoise Shells ... | 109 | 60 |
| Onions and Garlic ... | 112 | 25 | Apparel ... | 107 | 60 |
| Oilman's Stores ... | 219 | 94 | Manure, other kinds ... | 217 | 97 |
| Camphor ... | 120 | 93 | Jaggery ... | 147 | ... |
| Oil Cakes ... | 498 | 79 | Bran ... | 256 | .. |
| Cajeput Oil ... | 111 | 110 | Candles ... | 172 | 33 |
| Cigarettes ... | 97 | 128 | Cotton Blankets ... | 130 | 213 |

Exports.

| | | | | | |
|-------------------------------|--------|--------|----------------------------------|--------|--------|
| Coke ... | 84 | 21 | Shoes & Slippers, not Leather... | 80 | 139 |
| Ghee ... | 148 | 189 | Leather Boots and Shoes ... | 106 | 161 |
| Arrack and Samsoo ... | 484 | 310 | Aerated Waters ... | 184 | 150 |
| Cement ... | 784 | 114 | Petroleum ... | 358 | 159 |
| Chemicals ... | 584 | 147 | Hats and Caps ... | 410 | 274 |
| Fruits ... | 813 | 694 | Textiles, unenumerated | 301 | 364 |
| Seeds, Coriander ... | 280 | 157 | Kachang Oil ... | 258 | 202 |
| Rice ... | 542 | 23,242 | Silk Piece Goods ... | 621 | 364 |
| Sarongs, etc. ... | 5,490 | 4,340 | Rubber Goods including Tyres | 1025 | 674 |
| Gunnies... .. | 2,710 | 1,395 | Woodenware ... | 1377 | 760 |
| Hardware, Ironware, and Cook- | | | Machinery and Sewing Machines | 954 | 793 |
| ing utensils ... | 2,310 | 1,258 | Salt ... | 565 | 565 |
| Lubricating Oil ... | 282 | 266 | Drugs and Medicines | 989 | 650 |
| Tea ... | 395 | 272 | Planks ... | 578 | 441 |
| Matches ... | 1,411 | 732 | Lard ... | 390 | 243 |
| Onions and Garlic ... | 1,446 | 1,034 | Cycles, Motor Cars, etc. | 1,011 | 1,094 |
| Malt Liquors ... | 254 | 279 | Cotton Piece Goods ... | 14,886 | 7,959 |
| Bran ... | 941 | 577 | Coconut Oil ... | 2,398 | 1,487 |
| Vegetables ... | 671 | 560 | Tobacco and Cigars | 9,880 | 10,077 |
| Soap and Soda ... | 437 | 370 | Wheat Flour ... | 1,769 | 570 |
| Bar and Corrugated Iron | 657 | 153 | Sugar ... | 956 | 458 |
| Fish, Dry and Salted | 16,263 | 18,011 | Curry Stuff ... | 244 | 167 |
| Provisions, Hams, Oilman's | | | Paper and Paperware | 884 | 459 |
| stores, Butter, Biscuits and | | | Brandy, Gin and Whisky | 332 | 264 |
| Milk ... | 4,545 | 3,562 | Joss Sticks and Joss Paper | 380 | 263 |
| Apparel, etc. ... | 1,587 | 901 | Twine ... | 573 | 287 |
| Beans and Peas ... | 1,456 | 934 | Tanned Hides ... | 434 | 203 |
| Earthenware and Crockery | 1,457 | 654 | Cloves ... | 300 | 502 |
| Yarn ... | 5,926 | 1,843 | Sewing Thread ... | 215 | 109 |
| Books and Maps ... | 249 | 246 | Cordage, Coir ... | 205 | 135 |
| Oil Cakes ... | 81 | 36 | Iron Nails ... | 253 | 129 |
| Mats and Mattings | 158 | 155 | Towels and Napery | 119 | 53 |
| Stationery ... | 173 | 112 | Photographic and Cinematogra- | | |
| Glass and Glassware | 297 | 158 | phic Materials ... | 299 | 234 |
| Fireworks ... | 295 | 302 | Tools ... | 299 | 117 |
| Acetic Acid ... | 343 | 36 | Leatherware ... | 138 | 166 |
| Bamboo and Rattanware | 169 | 102 | Paints and Varnishes | 155 | 65 |
| Cabinetware ... | 114 | 80 | Perfumery ... | 182 | 105 |
| Goats' Skins ... | 149 | 243 | Ships and Boats ... | 151 | 124 |
| Seeds of Sorts ... | 107 | 109 | Toilet Soap ... | 116 | 56 |
| Fancy Goods ... | 106 | 96 | Blachan ... | 663 | 644 |
| Cotton Handkerchiefs | 194 | 90 | Raw Silk ... | 156 | 195 |
| Cotton Blankets ... | 138 | 178 | Para Rubber ... | 168 | ... |
| Lamps ... | 124 | 56 | Silk Thread ... | 101 | 113 |
| Copra ... | ... | 157 | Umbrellas ... | 196 | 151 |
| Bees' Wax ... | 93 | 272 | Woollen Cloth ... | 276 | 94 |
| Eggs ... | 47 | 234 | | | |

HONGKONG AND CHINA.

| <i>Average Annual Value.</i> | | | <i>1906</i> | <i>1911</i> | <i>1916.</i> | <i>1917.</i> | <i>1918.</i> | <i>1919.</i> | <i>1920.</i> | <i>1921.</i> |
|------------------------------|-----|-----|---------------------------|---------------------------|--------------|--------------|-------------------|--------------|--------------|--------------|
| | | | <i>to</i> <i>1910.</i> | <i>to</i> <i>1915.</i> | | | | | | |
| | | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | ... | ... | 27,038 | 35,807 | 40,920 | 44,566 | 48,559 | 58,040 | 80,783 | 65,161 |
| Exports | ... | ... | 14,609 | 13,607 | 15,628 | 19,211 | 22,673 | 32,795 | 26,370 | 23,031 |
| | | | | | | | Decrease, Imports | ... | \$ | 15,622 |
| | | | | | | | Decrease, Exports | ... | \$ | 3,339 |

Imports.

| | 1920. | 1921. | | 1920. | 1921. |
|--------------------------------|-------|-------|---------------------------------|--------|--------|
| | \$ | \$ | | \$ | \$ |
| Tin. ... | 445 | ... | Provisions ... | 4,003 | 2,929 |
| Fancy Goods ... | 121 | 105 | Cabinetware ... | 127 | 96 |
| Steel ... | 61 | 9 | Copra ... | 106 | 46 |
| Wood Oil ... | 106 | 91 | Hams and Bacons ... | 182 | 62 |
| Stationery ... | 405 | 552 | Ironware ... | 260 | 103 |
| Tin Plates ... | 241 | .. | Perfumery ... | 264 | 212 |
| Iron Nails ... | 354 | 5 | Books and Maps ... | 306 | 99 |
| Milk ... | 306 | 89 | Shoes and Slippers, not leather | 221 | 127 |
| Tobacco ... | 3,881 | 3,503 | Raw Silk ... | 638 | 405 |
| Provisions and Oilman's stores | 4,726 | ... | Vegetables ... | 3,045 | 1,943 |
| Medicines ... | 2,571 | 1,869 | Fruits ... | 2,421 | 2,212 |
| Tea ... | 2,493 | 1,928 | Cigars and Cigarettes ... | 14,202 | 12,590 |
| Earthenware and Crockery ... | 1,145 | 671 | Lard ... | 1,251 | 833 |
| Apparel, etc. ... | 713 | 790 | Silk Piece Goods ... | 1,573 | 1,434 |
| Onions and Garlic ... | 1,213 | 588 | Paper and Paperware , | 1,489 | 675 |
| Twine ... | 434 | 346 | Kachang Oil ... | 4,130 | 3,083 |
| Wheat Flour ... | 3,410 | 2,802 | Fireworks ... | 1,433 | 1,368 |
| Raw Hides ... | 2,469 | 1,834 | Cotton Piece Goods ... | 6,554 | 3,229 |
| Fish, Dry and Salted ... | 855 | 860 | Mats and Matings ... | 321 | 227 |
| Beans and Peas ... | 3,579 | 2,504 | Sarongs and Kains ... | 1,344 | 1,677 |
| Cooking utensils ... | 191 | 145 | Cement ... | 1,635 | 1,510 |
| Umbrellas ... | 287 | 275 | Woollen Blankets ... | 243 | 246 |
| Sugar ... | 1,313 | 486 | Textiles of sorts ... | 131 | 82 |
| Joss Sticks and Joss Paper ... | 2,088 | 1,526 | Arrack and Samsou ... | 2,312 | 1,416 |
| Manila Rope ... | 95 | 38 | Bamboo and Rattan Ware ... | 531 | 445 |
| Rice ... | 178 | 835 | Seeds of sorts ... | 452 | 547 |
| Woodenware ... | 516 | 143 | Matches ... | 959 | 1,096 |
| Wolfram Ore ... | 12 | ... | Chemicals ... | 403 | 193 |
| Motor Cars ... | 109 | 40 | Brassware ... | 223 | 210 |
| Towels and Napery ... | 210 | 333 | Eggs, Fresh and Salted ... | 179 | 414 |
| Swine... .. | 19 | 141 | Confectionery ... | 180 | 76 |
| | | | Provisions in tins ... | 303 | 574 |
| | | | Coal ... | 30 | 720 |

Exports.

| | | | | | |
|-----------------------------|-------|-------|-----------------------------------|-------|-------|
| Rice | 13 | 148 | Candles | 5 | 108 |
| Ironware | 136 | 112 | Woodenware | 357 | 26 |
| Drugs and Medicine | 123 | 130 | Cutch | 223 | 397 |
| Coffee | 70 | 100 | Shark's Fins | 414 | 340 |
| Iron, Scrap | 144 | 113 | Raw Cotton | 59 | 20 |
| Fish, Dry and Salted | 820 | 585 | Beche-de-mer | 324 | 172 |
| Timber and Planks | 660 | 882 | Sugar Candy | 710 | 2,353 |
| Tin | 1,539 | 2,360 | Rattans | 1,350 | 1,564 |
| Tanned Hides | 6,781 | 5,733 | Sugar | 1,364 | 168 |
| Birds' Nests | 996 | 799 | Hide cuttings | 166 | 85 |
| Mangrove Bark | 388 | 647 | Arecanuts | 246 | 344 |
| Sandal Wood | 754 | 35 | Gunnies... .. | 780 | 157 |
| White Pepper | 374 | 276 | Coconut Oil | 182 | 373 |
| Black Pepper | 2,106 | 561 | Gambier | 62 | 41 |
| Tapioca Flour | 814 | 629 | Manure, other kinds | 444 | 273 |
| Curry Stuff | 98 | 85 | Ground-nuts | 230 | 29 |
| Tapioca, Pearl | 182 | 97 | India Rubber Goods | 201 | 226 |
| Glass Bottles | 123 | 138 | Cotton Piece Goods | 141 | 176 |
| Goats' Skins | 94 | 206 | Cardamoms | 126 | .. |
| Cigarettes | 96 | 121 | Motor-cars and Accessories | 31 | 119 |
| | | | Coconuts | 82 | 150 |

FRENCH INDO-CHINA.

| Average Annual Value. | | 1906 | 1911 | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------|-----|----------|----------|--------|--------|--------|-------------------|--------|-----------|
| | | to 1910. | to 1915. | | | | | | |
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | ... | 7,868 | 13,996 | 14,078 | 18,531 | 18,519 | 32,432 | 81,356 | 25,088 |
| Exports | ... | 2,086 | 2,397 | 3,699 | 4,422 | 5,164 | 9,950 | 16,379 | 6,762 |
| | | | | | | | Decrease, Imports | ... | \$ 56,268 |
| | | | | | | | Decrease, Exports | ... | \$ 9,617 |

| | | | 1920. | 1921. | | | | 1920. | 1921. |
|----------------------|-----|-----|--------|--------|------------------------|-----|-----|-------|-------|
| | | | \$ | \$ | | | | \$ | \$ |
| Rice | ... | ... | 62,567 | 13,406 | Padi | ... | ... | 2,687 | 35 |
| Fish, Dry and Salted | ... | ... | 8,869 | 7,341 | Raw Hides | ... | ... | 340 | 48 |
| Bran | ... | ... | 1,517 | 224 | Swine | ... | ... | 748 | 1,114 |
| Coal | ... | ... | 423 | 273 | Black Pepper | ... | ... | 50 | 156 |
| Copra | ... | ... | 602 | 128 | Cement | ... | ... | 1,106 | 349 |
| Para Rubber | ... | ... | 1,074 | 410 | Sticklac | ... | ... | 437 | 4 |
| Lard | ... | ... | 142 | 77 | Eggs, Fresh and Salted | ... | ... | 21 | 115 |
| Cattle | ... | ... | 35 | 977 | | | | | |

| | 1920. | 1921. | | 1920. | 1921. |
|---------------------------------|-------|-------|-----------------------------|-------|-------|
| | \$ | \$ | | \$ | \$ |
| Bees' Wax ... | 44 | 206 | Coffee ... | 214 | 179 |
| Cutch ... | ... | 113 | Milk ... | 358 | 122 |
| Arecanuts ... | 1,597 | 807 | Sugar ... | 1,726 | 1,352 |
| Paperware ... | 126 | 113 | Cotton Goods ... | 6,032 | 1,460 |
| Gunnies ... | 1,122 | 140 | Twine ... | 111 | 41 |
| Lubricating Oil ... | 45 | 155 | Apparel, etc. ... | 211 | 59 |
| Ironware ... | 283 | 90 | Sugar Candy ... | 101 | 66 |
| Oil Cakes ... | 313 | 71 | Tapioca Flour ... | 154 | 84 |
| Petroleum ... | 312 | 149 | Fruits Pres. ... | 168 | 63 |
| Gambier, cube ... | 113 | 35 | Leatherware ... | 116 | 20 |
| Cotton Sarongs ... | 72 | 92 | Rubber Tyres ... | 101 | 12 |
| Hats and Caps ... | 147 | 20 | Provisions and Biscuits ... | 362 | 55 |
| Mineral and Aerated Waters ... | 103 | 69 | Copra ... | ... | 109 |
| Motor Cars and Motor Cycles ... | 152 | 38 | | | |

(JOHORE, KELANTAN, TRENGGANU AND KEDAH*.)

| Average Annual Value. | | 1906 to 1910. | 1911 to 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------|-----|---------------------|---------------------|--------|-----------|---------|--------|--------|--------|
| | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | ... | 11,314 | 19,272 | 39,496 | 43,727 | 43,700 | 55,757 | 56,091 | 30,701 |
| Exports | ... | 5,833 | 10,665 | 15,745 | 18,597 | 18,093 | 29,349 | 38,518 | 22,755 |
| | | | | | Decrease, | Imports | ... | | |
| | | | | | Decrease. | Exports | ... | | |
| | | | | | | | \$ | ... | 25,390 |
| | | | | | | | \$ | ... | 15,763 |

| | | 1920. | 1921. | | | 1920. | 1921 |
|----------------------|-----|--------|--------|------------------------|-----|-------|-------|
| | | — | — | | | — | — |
| | | \$ | \$ | | | \$ | \$ |
| Dammar | ... | 98 | 193 | Rattans | ... | 78 | 158 |
| Gambier | ... | 618 | 204 | Cattle | ... | 157 | 16 |
| Copra | ... | 8,024 | 5,014 | Arecanuts | ... | 3,412 | 1,765 |
| Sago | ... | 236 | 170 | Tapioca | ... | 1,843 | 1,334 |
| Tin and Ore | ... | 5,281 | 2,783 | Rice and Padi | ... | 247 | 1,654 |
| Para Rubber | ... | 30,695 | 13,437 | Poultry | ... | 146 | 143 |
| Black Pepper | ... | 287 | 70 | Fruits | ... | 153 | 157 |
| Fish, Dry and Salted | ... | 2,339 | 1,518 | Timber | ... | 644 | 580 |
| Wolfram Ore | ... | 105 | 4 | Raw Hides | ... | 156 | 39 |
| Vegetables | ... | 172 | 80 | Ironware | ... | 190 | 171 |
| Fresh Fish | ... | 399 | 127 | Firewood | ... | 169 | 81 |
| Swine | ... | 95 | 293 | Eggs, Fresh and Salted | ... | 7 | 107 |

| | | | | | |
|----------------------------------|--------|-------|-------------------------------------|-------|-------|
| Benzine | 242 | 251 | Vegetables | 143 | 154 |
| Swine | 710 | 53 | Cotton Piece Goods | 1,846 | 1,432 |
| Planks | 370 | 144 | Fish, Dry and Salted | 210 | 176 |
| Rice | 12,858 | 4,814 | Sarongs, Slendangs and Kains | 841 | 565 |
| Petroleum | 1,011 | 805 | Wheat Flour | 1,094 | 424 |
| Drugs and Medicine | 171 | 144 | Tobacco | 944 | 987 |
| Provisions, including Hams and | | | Paper and Paperware | 80 | 69 |
| Bacon, Oilman's stores, | | | Iron, Corrugated | 59 | 24 |
| Butter, Biscuits and Milk | 1,588 | 1,354 | Cycles and Motor Cars | 300 | 245 |
| Whisky | 186 | 189 | Arrack and Samsou | 522 | 298 |
| Sugar | 1,356 | 777 | Machinery | 702 | 380 |
| Opium | ... | ... | Bran | 520 | 273 |
| Hardware, Ironware and | | | Malt Liquors | 361 | 207 |
| Cooking utensils | 428 | 341 | Kachang Oil | 243 | 185 |
| Brandy | 401 | 193 | Chemicals | 131 | 79 |
| Cigars and Cigarettes | 2,211 | 1,828 | Fruits | 61 | 79 |
| Cement | 286 | 246 | Salt | 100 | 128 |
| Coconut Oil | 273 | 174 | Woodenware | 315 | 149 |
| Apparel | 218 | 167 | Tea | 127 | 130 |
| Earthenware and Crockery | 241 | 175 | Peas and Beans | 144 | 117 |
| Tools | 154 | 78 | Gunnies | 175 | 127 |
| Cattle | 7 | 73 | Onions and Garlic | 118 | 118 |
| Matches | 142 | 151 | Mineral and Aerated Waters | 136 | 139 |
| Acetic Acid | 138 | 62 | Yarn | 252 | 78 |
| Cabinetware | 127 | 71 | Timber | 218 | 69 |
| Lard | 119 | 63 | Silk Piece Goods | 101 | 58 |
| Lubricating Oil | 166 | 180 | Prepared Chandu | 2,565 | 1,693 |
| Raw Silk | 15 | 8 | Rubber Tyres | 89 | 113 |

*Kedah is included in 1910 and since.

BRITISH NORTH BORNEO AND SARAWAK.

| Average Annual Value. | | | 1906 to 1910. | 1911 to 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------|-----|-----|---------------------|---------------------|-------|-------|-------|--------|--------|--------------------------------|
| | | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Imports | ... | ... | 5,577 | 5,754 | 8,237 | 7,492 | 8,035 | 15,560 | 12,533 | 6,412 |
| Exports | ... | ... | 5,043 | 5,358 | 6,405 | 7,943 | 8,807 | 13,512 | 15,686 | 8,027 |
| | | | | | | | | | | Decrease, Imports ... \$ 6,121 |
| | | | | | | | | | | Do., Exports ... \$ 7,659 |

Imports.

| | | | 1920. | 1921. | | | | 1920. | 1921. |
|------------------|-----|-----|-------|-------|----------------------------|-----|-----|-------|-------|
| | | | \$ | \$ | | | | \$ | \$ |
| Pepper ... | ... | ... | 760 | 822 | Gutta, Inferior ... | ... | ... | 1,081 | 434 |
| Sago Flour ... | ... | ... | 2,250 | 1,409 | Copra ... | ... | ... | 387 | 484 |
| Rattans ... | ... | ... | 125 | 90 | Gums, Copal and Dammar ... | ... | ... | 473 | 221 |
| Gutta Percha ... | ... | ... | 213 | 177 | Fish, Dry and Salted ... | ... | ... | 597 | 306 |
| Birds' Nests ... | ... | ... | 262 | 139 | Coal ... | ... | ... | 52 | 207 |
| Para Rubber ... | ... | ... | 5,090 | 1,561 | Illipi Nuts ... | ... | ... | 375 | ... |
| Copal ... | ... | ... | 253 | 118 | Woodenware ... | ... | ... | 127 | 4 |

Exports.

| | | | | | | | | | |
|--------------------------------|-----|-----|-------|-------|----------------------------------|-----|-----|-------|-------|
| Rice ... | ... | ... | 2,806 | 1,111 | Planks ... | ... | ... | 140 | 136 |
| Sugar ... | ... | ... | 760 | 467 | Gunnies ... | ... | ... | 140 | 89 |
| Fish, Dry and Salted ... | ... | ... | 110 | 104 | Hardware, Ironware and Cook- | ... | ... | ... | ... |
| Apparel ... | ... | ... | 173 | 75 | ing utensils ... | ... | ... | 231 | 231 |
| Cigarettes, Tobacco and Cigars | ... | ... | 1,092 | 808 | Cotton Piece Goods ... | ... | ... | 1,549 | 1,166 |
| Opium ... | ... | ... | 968 | 491 | Provisions, including Lard, Ham, | ... | ... | ... | ... |
| Sarongs, etc. ... | ... | ... | 151 | 114 | Biscuits, Butter, Cheese, Oil- | ... | ... | ... | ... |
| Petroleum ... | ... | ... | 65 | 58 | man's stores and Milk ... | ... | ... | 394 | 509 |
| Salt ... | ... | ... | 103 | 78 | Spirits, Brandy, Gin and Whisky | ... | ... | 171 | 156 |
| Wheat Flour ... | ... | ... | 345 | 148 | Bran ... | ... | ... | 232 | 121 |
| Machinery ... | ... | ... | 111 | 97 | Chemicals ... | ... | ... | 43 | 47 |

TRADE.

APPENDIX P.

Statements showing the Value of the Inter-port Trade of the Colony of the Straits Settlements according to Classes in 1920 and 1921.

| | IMPORTS 1920. | | | | | | IMPORTS 1921. | | | | | |
|-----------------------------|---------------|------------|------------|---------|-----------|------------------------------|---------------|------------|-----------|---------|-----------|------------------------------|
| | Singapore. | Penang. | Malacca. | Labuan. | Dindings. | Christmas and Cocos Islands. | Singapore. | Penang. | Malacca. | Labuan. | Dindings. | Christmas and Cocos Islands. |
| A.—FOODSTUFFS, ETC. | | | | | | | | | | | | |
| Singapore | ... | 13,262,274 | 9,899,551 | 780,204 | ... | 242,240 | ... | 9,950,878 | 7,587,113 | 577,487 | ... | 201,550 |
| Penang | 3,257,024 | ... | 4,476,008 | ... | 1,077,823 | ... | 4,038,095 | ... | 87,468 | ... | 576,016 | ... |
| Malacca | 586,621 | 2,605 | ... | ... | ... | ... | 434,798 | ... | ... | ... | ... | ... |
| Labuan | 523,853 | 58,535 | ... | ... | ... | ... | 212,210 | 75,061 | ... | ... | ... | ... |
| Dindings | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | 469 | ... | ... | ... | ... | ... | 2,744 | ... | ... | ... | ... | ... |
| TOTAL OF A. | 4,367,967 | 13,323,414 | 14,375,559 | 780,204 | 1,077,823 | 242,240 | 4,687,847 | 10,025,939 | 7,674,581 | 577,487 | 576,016 | 201,550 |
| B.—RAW MATERIALS. | | | | | | | | | | | | |
| (a).—TEXTILE. | | | | | | | | | | | | |
| Singapore | ... | 8,262 | 6,693 | ... | ... | ... | ... | 2,510 | 3,834 | ... | ... | 50 |
| Penang | 5,383 | ... | ... | ... | 48 | ... | 1,860 | ... | ... | ... | 60 | ... |
| Malacca | 360 | ... | ... | ... | ... | ... | 40 | ... | ... | ... | ... | ... |
| Labuan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Dindings | ... | 18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL | 5,743 | 8,280 | 6,693 | ... | 48 | ... | 1,900 | 2,510 | 3,834 | ... | 60 | 50 |
| (b).—METAL. | | | | | | | | | | | | |
| Singapore | ... | 415,927 | ... | ... | ... | ... | ... | 39,777 | 180 | ... | ... | ... |
| Penang | 3,407,377 | ... | ... | ... | 80 | ... | 4,947,678 | ... | ... | ... | 80 | ... |
| Malacca | 318 | ... | ... | ... | ... | ... | 150 | ... | ... | ... | ... | ... |
| Labuan | 28 | ... | ... | ... | ... | ... | 24 | ... | ... | ... | ... | ... |
| Dindings | ... | 4,778 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL | 3,407,723 | 420,705 | ... | ... | 80 | ... | 4,947,852 | 39,777 | 180 | ... | 80 | ... |
| (c).—OTHER. | | | | | | | | | | | | |
| Singapore | ... | 1,451,680 | 1,048,393 | 70,374 | ... | 39,612 | ... | 654,934 | 773,882 | 342,051 | ... | 21,552 |
| Penang | 14,226,443 | ... | 134,775 | ... | 91,619 | ... | 7,069,606 | ... | 20,080 | ... | 67,538 | ... |
| Malacca | 30,841,744 | ... | ... | ... | ... | ... | 10,741,994 | 300 | ... | ... | ... | ... |
| Labuan | 1,195,968 | ... | ... | ... | ... | ... | 497,498 | 619,979 | ... | ... | ... | ... |
| Dindings | ... | 997,791 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | 56,238 | ... | ... | ... | ... | ... | 48,725 | ... | ... | ... | ... | ... |
| TOTAL | 46,320,333 | 2,449,471 | 1,183,168 | 70,374 | 91,619 | 39,612 | 18,357,823 | 1,275,213 | 793,962 | 342,051 | 67,538 | 21,552 |
| TOTAL OF B. | 49,733,799 | 2,878,456 | 1,189,861 | 70,374 | 91,747 | 39,612 | 23,307,575 | 1,317,500 | 797,976 | 342,051 | 67,678 | 21,602 |

C.—MANUFACTURED ARTICLES.

(a).—TEXTILE.

| | | | | | | | | | | | | | | | | |
|-----------------------------|-----|-----|-----------|-----------|---------|-----|---------|--------|-----|-----------|-----|----------|-----|--------|-----|--------|
| Singapore | ... | ... | 4,290,938 | 1,256,080 | 148,174 | ... | 117,194 | 15,008 | ... | 1,017,099 | ... | 1903,806 | ... | 34,959 | ... | 50,812 |
| Penang | ... | ... | ... | 32,380 | ... | ... | ... | ... | ... | 48,691 | ... | 65 | ... | ... | ... | ... |
| Malacca | ... | ... | 150 | ... | ... | ... | ... | ... | ... | 510 | ... | ... | ... | ... | ... | ... |
| Labuan | ... | ... | 1,039 | ... | ... | ... | ... | ... | ... | ... | ... | 155 | ... | ... | ... | ... |
| Dindings | ... | ... | ... | ... | ... | ... | ... | ... | ... | 122 | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | 50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

(b).—METAL.

| | | | | | | | | | | | | |
|-----------------------------|-----|-----|-----------|-----------|--------|--------|---------|---------|---------|-------|-----|--------|
| Singapore | ... | ... | 2,721,953 | 1,246,849 | 10,827 | 20,035 | ... | 899,203 | 399,995 | 1,930 | ... | 36,039 |
| Penang | ... | ... | 590,703 | 10,382 | ... | ... | 317,393 | ... | ... | ... | ... | ... |
| Malacca | ... | ... | 225,609 | ... | ... | ... | 289,640 | ... | ... | ... | ... | ... |
| Labuan | ... | ... | 394 | ... | ... | ... | 1,596 | ... | ... | ... | ... | ... |
| Diandings | ... | ... | 4,751 | 72 | ... | ... | ... | 65 | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | ... | ... | ... | ... | 704 | ... | ... | ... | ... | ... |
| | ... | 59 | 4,134 | ... | ... | ... | ... | ... | ... | ... | ... | ... |

(c).—OTHER.

[illegible]

(d).—COIN AND BULLION.

[illegible]

Gross Imports.

Merchandise.

| | | | | |
|---|-----|---------------|---|--------------|
| Total Value of Inter-Colonial Imports in 1920 | ... | £ 128,043,121 | = | £ 14,938,364 |
| Total Value of Inter-Colonial Imports in 1921 | ... | £ 59,181,136 | = | £ 6,904,466 |

| | | |
|--------------------|---|--------------|
| \$106,808,188 | = | £ 12,460,955 |
| 58,330,486 | = | 6,805,223 |
| <hr/> \$48,477,702 | = | £ 5,655,732 |

Decrease ... \$68,861,985 = £8,033,898

Decrease ... \$48,477,702 = £ 5,655,732

NOTE :—The trade of Christmas Island and the Dindings with other Colonial Ports, not being compiled at these places, has been taken from the statements of Singapore and Penang.

TRADE.—Continued.
APPENDIX P.—Continued.

Statements showing the Value of the Inter-port Trade of the Colony of the Straits Settlements according to Classes in 1920 and 1921.

| | EXPORTS 1920. | | | | | | EXPORTS 1921. | | | | | |
|-----------------------------|---------------|------------|------------|---------|-----------|------------------------------|---------------|------------|------------|---------|-----------|------------------------------|
| | Singapore. | Penang. | Malacca. | Labuan. | Dindings. | Christmas and Cocos Islands. | Singapore. | Penang. | Malacca. | Labuan. | Dindings. | Christmas and Cocos Islands. |
| A.—FOODSTUFFS, ETC. | | | | | | | | | | | | |
| Singapore | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Penang | 13,296,395 | 3,255,956 | 58,121 | 361,850 | ... | 469 | 9,966,910 | 4,048,521 | 433,842 | 299,663 | ... | 2,744 |
| Malacca | 9,297,470 | ... | 10,437 | ... | 58,535 | ... | 7,563,316 | ... | 1,095 | ... | 75,061 | ... |
| Labuan | 920,731 | 3,293,963 | ... | ... | ... | ... | 590,061 | 59,853 | ... | ... | ... | ... |
| Dindings | ... | 145 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | 242,240 | 1,077,823 | ... | ... | ... | ... | 201,550 | 576,016 | ... | ... | ... | ... |
| TOTAL OF A. | 23,762,836 | 7,627,887 | 597,558 | 361,850 | 58,535 | 469 | 18,321,837 | 4,684,390 | 434,937 | 299,663 | 75,061 | 2,744 |
| B.—RAW MATERIALS. | | | | | | | | | | | | |
| (a).—TEXTILE. | | | | | | | | | | | | |
| Singapore | ... | 5,383 | 60 | ... | ... | ... | ... | 360 | ... | ... | ... | ... |
| Penang | 8,262 | ... | ... | ... | 18 | ... | 2,510 | ... | ... | ... | ... | ... |
| Malacca | 6,500 | 55 | ... | ... | ... | ... | 3,834 | ... | ... | ... | ... | ... |
| Labuan | ... | ... | ... | ... | ... | ... | ... | 60 | ... | ... | ... | ... |
| Dindings | ... | 48 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | ... | ... | ... | ... | 50 | ... | ... | ... | ... | ... |
| TOTAL | 14,762 | 5,486 | 60 | ... | 18 | ... | 6,394 | 420 | ... | ... | ... | ... |
| (b).—METAL. | | | | | | | | | | | | |
| Singapore | ... | 3,407,467 | 318 | 350 | ... | ... | ... | 4,948,478 | 150 | 520 | ... | ... |
| Penang | 415,927 | ... | 1,969 | ... | 4,778 | ... | 39,367 | ... | 4,782 | ... | ... | ... |
| Malacca | ... | ... | ... | ... | ... | ... | 362 | ... | ... | ... | ... | ... |
| Labuan | 38 | ... | ... | ... | ... | ... | 36 | ... | ... | ... | ... | ... |
| Dindings | ... | 80 | ... | ... | ... | ... | ... | 80 | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL | 415,965 | 3,407,547 | 2,287 | 390 | 4,778 | ... | 39,765 | 4,948,558 | 4,932 | 520 | ... | ... |
| (c).—OTHER. | | | | | | | | | | | | |
| Singapore | ... | 14,108,139 | 31,612,871 | 538,672 | ... | 56,238 | ... | 7,113,999 | 10,990,469 | 313,173 | ... | 48,725 |
| Penang | 1,566,386 | ... | 7,635 | ... | 997,791 | ... | 734,975 | ... | 2,869 | ... | 619,979 | ... |
| Malacca | 739,795 | 141,595 | ... | ... | ... | ... | 482,274 | 13,974 | ... | ... | ... | ... |
| Labuan | 69,410 | 349 | ... | ... | ... | ... | 34,393 | ... | ... | ... | ... | ... |
| Dindings | ... | 91,619 | ... | ... | ... | ... | ... | 67,538 | ... | ... | ... | ... |
| Christmas and Cocos Islands | 39,612 | ... | ... | ... | ... | ... | 21,552 | ... | ... | ... | ... | ... |
| TOTAL | 2,415,203 | 14,341,702 | 31,620,506 | 538,672 | 997,791 | 56,238 | 1,272,294 | 7,195,511 | 10,993,338 | 313,173 | 619,979 | 48,725 |
| TOTAL OF B. | 2,845,930 | 17,754,735 | 31,622,853 | 539,022 | 1,002,587 | 56,238 | 1,318,453 | 12,144,489 | 10,998,270 | 313,693 | 619,979 | 48,725 |

C.—MANUFACTURED ARTICLES.

(a).—TEXTILE.

| | | | | | | | | | | | | | | |
|-----------------------------|-----|-----------|---------|-----|-------|-------|-----|-----|-----------|--------|-----|-----|-----|-----|
| Singapore | ... | 1,971,241 | 100,238 | 60 | ... | 1,039 | 50 | ... | 1,018,999 | 49,211 | ... | ... | ... | 122 |
| Penang | ... | 4,292,588 | 168 | ... | ... | ... | ... | ... | ... | 383 | ... | ... | ... | ... |
| Malacca | ... | 1,200,239 | ... | ... | ... | ... | ... | ... | 31,306 | ... | ... | ... | ... | ... |
| Labuan | ... | 491,177 | ... | ... | ... | ... | ... | ... | 500 | ... | ... | ... | ... | ... |
| Dindings | ... | 117,194 | ... | ... | ... | ... | ... | ... | 50,812 | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | 15,608 | ... | ... | ... | ... | ... | ... | 26,011 | ... | ... | ... | ... | ... |
| TOTAL | ... | 5,999,612 | 100,406 | 60 | 1,039 | ... | 50 | ... | 1,101,617 | 49,594 | ... | ... | 155 | 122 |

(b).—METAL.

| | | | | | | | | | | | | | | |
|-----------------------------|-----|-----------|---------|-------|-------|-------|-----|-----|---------|---------|-------|-----|-----|-----|
| Singapore | ... | 590,754 | 225,669 | 3,225 | ... | 4,134 | 59 | ... | 320,810 | 289,725 | 6,750 | ... | ... | 704 |
| Penang | ... | 2,716,062 | 4,196 | ... | ... | ... | ... | ... | ... | 3,585 | ... | ... | ... | ... |
| Malacca | ... | 1,099,123 | ... | ... | ... | ... | ... | ... | 1,154 | ... | ... | ... | ... | ... |
| Labuan | ... | 51,047 | ... | ... | ... | ... | ... | ... | 31,936 | ... | ... | ... | ... | ... |
| Dindings | ... | 66,310 | ... | ... | ... | ... | ... | ... | 51,858 | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | 20,035 | ... | ... | ... | ... | ... | ... | 36,019 | ... | ... | ... | ... | ... |
| TOTAL | ... | 3,886,297 | 229,865 | 3,225 | 4,134 | ... | 59 | ... | 373,822 | 293,310 | 6,750 | ... | 65 | 704 |

(c).—OTHER.

| | | | | | | | | | | | | | | |
|-----------------------------|-----|-----------|--------|-------|-------|-------|-------|-----|---------|--------|-------|-----|-------|-------|
| Singapore | ... | 368,435 | 53,701 | 5,325 | ... | 7,553 | 1,034 | ... | 286,329 | 75,031 | 3,865 | ... | ... | 5,245 |
| Penang | ... | 2,780,597 | 22,347 | ... | ... | ... | ... | ... | ... | 15,473 | ... | ... | ... | ... |
| Malacca | ... | 2,172,185 | ... | ... | ... | ... | ... | ... | 8,737 | ... | ... | ... | ... | ... |
| Labuan | ... | 105,386 | ... | ... | ... | ... | ... | ... | 590 | ... | ... | ... | ... | ... |
| Dindings | ... | 109,292 | ... | ... | ... | ... | ... | ... | 77,207 | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | 25,502 | ... | ... | ... | ... | ... | ... | 38,510 | ... | ... | ... | ... | ... |
| TOTAL | ... | 5,083,670 | 76,048 | 5,325 | 7,553 | ... | 1,034 | ... | 372,863 | 90,504 | 3,865 | ... | 3,484 | 5,245 |

TOTAL OF C.

| | | | | | | | | | | | | | | |
|--------------------------------------|-----|------------|------------|---------|-----------|-----|--------|-----|------------|------------|---------|-----|---------|--------|
| TOTAL OF C. | ... | 14,969,549 | 406,319 | 8,610 | 12,726 | ... | 1,143 | ... | 1,848,302 | 433,408 | 10,615 | ... | 3,704 | 6,071 |
| TOTAL MERCHANDISE IN DOLLARS | \$ | 41,578,315 | 32,626,730 | 999,482 | 1,073,848 | ... | 57,850 | ... | 18,677,181 | 11,866,615 | 623,971 | ... | 698,744 | 57,540 |
| TOTAL MERCHANDISE IN STERLING | £ | 4,850,803 | 3,806,452 | 106,106 | 125,282 | ... | 6,749 | ... | 2,179,004 | 1,384,438 | 72,797 | ... | 81,520 | 6,713 |

(d).—COIN AND BULLION.

| | | | | | | | | | | | | | | |
|--------------------------------|-----|------------|------------|---------|-----------|-----|-------|-----|------------|------------|---------|-----|---------|--------|
| Singapore | ... | 1,088,493 | ... | ... | ... | ... | ... | ... | 555,425 | ... | ... | ... | ... | ... |
| Penang | ... | 20,730,258 | ... | ... | ... | ... | ... | ... | 260,000 | ... | ... | ... | ... | ... |
| Malacca | ... | 95,630 | ... | ... | ... | ... | ... | ... | 12,900 | ... | ... | ... | ... | ... |
| Labuan | ... | 9,720 | ... | ... | ... | ... | ... | ... | 3,200 | ... | ... | ... | ... | ... |
| Dindings | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Christmas and Cocos Islands | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL OF D. | ... | 20,835,608 | ... | ... | ... | ... | ... | ... | 276,100 | ... | ... | ... | ... | ... |
| TOTAL TRADE IN \$ | ... | 62,413,923 | 32,626,730 | 999,482 | 1,073,848 | ... | 57,8 | ... | 26,554,197 | 11,866,615 | 623,971 | ... | 698,744 | 57,540 |
| TOTAL VALUE IN STERLING | £ | 7,281,624 | 3,806,452 | 106,106 | 125,282 | ... | 6,749 | ... | 3,097,990 | 1,384,438 | 72,797 | ... | 81,520 | 6,713 |

Gross Exports.

Total Value of Inter-Colonial Exports in 1920
Total Value of Inter-Colonial Exports in 1921

... \$126,831,191 = £14,706,972
... \$59,033,673 = £ 6,887,262
Decrease ... \$67,797,518 = £ 7,909,710

Merchandise.

... \$104,906,890 = £12,239,137
... \$58,202,148 = £6,790,250
Decrease ... \$46,704,742 = £ 5,448,887

NOTE:—The trade of Christmas Island and the Dindings with other Colonial ports, not being compiled at these places, has been taken from the statements of Singapore and Penang.

TRADE.

APPENDIX Q.

Imports into and Exports from the Colony of Opium in Chests for the five years ended 1921.

| | 1917. | | 1918. | | 1919. | | 1920. | | 1921. | |
|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. |
| Benares | 4,868 | 357 | 4,264 | 320 | 4,245 | 301 | 3,090 | 110 | 2,885 | 30 |
| Patna | 14 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Persian | 965 | 679 | 1,755 | 834 | 563 | 573 | 799 | 246 | 48 | 84 |
| Chandu (1,000 tahils = 1 chest) ... | ... | 2,350 | ... | 2,898 | ... | 2,597 | ... | 2,583 | ... | 1,479 |
| Total ... | 5,847 | 3,386 | 6,019 | 4,052 | 4,808 | 3,471 | 3,889 | 2,939 | 2,933 | 1,593 |

APPENDIX R.

Annual Imports of Coal in thousands of tons for the five years ended 1921, distinguishing sources of supply.

| COUNTRY WHENCE IMPORTED. | | | 1917. | 1918. | 1919. | 1920. | 1921. |
|--------------------------------|-----|-----|-------|-------|-------|-------|-------|
| United Kingdom | ... | ... | ... | ... | 1 | ... | 10 |
| Australia and New Zealand ... | ... | ... | 40 | 8 | 65 | 138 | 93 |
| Calcutta | ... | ... | 89 | 20 | 87 | 188 | 12 |
| Borneo, Sarawak and Brunei ... | ... | ... | 23 | 28 | 17 | 15 | 8 |
| Natal | ... | ... | 2 | 18 | 35 | 5 | 12 |
| Japan | ... | ... | 408 | 370 | 271 | 341 | 340 |
| Tongkin | ... | ... | 18 | 17 | 13 | 13 | 10 |
| China | ... | ... | 28 | 28 | ... | ... | 26 |
| Dutch Borneo | ... | ... | 14 | 7 | 12 | 21 | 17 |
| Other Places | ... | ... | 17 | 14 | 2 | 5 | 13 |
| Total ... | ... | ... | 639 | 510 | 503 | 726 | 541 |

TRADE.

APPENDIX S.

Imports of Petroleum in thousands of cases of 65 lbs. (eight gallons) during each of the five years ended 1921, distinguishing sources of supply.

| FROM | 1917. | 1918. | 1919. | 1920. | 1921. |
|------------------------------|-------|-------|-------|-------|-------|
| Dutch Borneo ... | 18 | 90 | 44 | 98 | 7 |
| Sumatra ... | 672 | 636 | 565 | 626 | 554 |
| United States of America ... | 131 | 169 | 495 | 306 | 379 |
| Total ... | 821 | 895 | 1,104 | 1,030 | 940 |

TRADE.

APPENDIX T.

Value in thousands of dollars of Imports and Exports of Bullion and Specie into and from the Colony as far as ascertained for the years, 1917, 1918, 1919, 1920 and 1921.

| Description. | 1917. | | 1918. | | * 1919. | | 1920. | | 1921. | |
|--------------------|------------------------|------------------------|------------------------|------------------------|----------|----------|----------|----------|----------|----------|
| | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. |
| Gold Bullion ... | Figures not available. | Figures not available. | Figures not available. | Figures not available. | 8,431 | 2,092 | 39,054 | 4,892 | 6,428 | 6,438 |
| „ Specie ... | | | | | 46,074 | 20,584 | 159,037 | 139,325 | 4,802 | 8,246 |
| Silver Bullion ... | | | | | 92 | 78 | 120 | 215 | 575 | 506 |
| „ Specie ... | | | | | 1,478 | 667 | 6,669 | 577 | 7,535 | 891 |
| Copper coin ... | | | | | 82 | 46 | 495 | 113 | ... | 39 |
| Nickel coin ... | | | | | ... | ... | 125 | 40 | 675 | 58 |
| Total ... | | | | | 56,157 | 23,467 | 205,500 | 145,162 | 20,015 | 16,178 |

* Second half of 1919 only.

TRADE.

APPENDIX U.

Imports in thousands of pikuls of Tin and Tin Ore into the Colony for each of the five years ended 1921

| From | 1917. | | 1918. | | 1919. | | 1920. | | 1921. | |
|--------------------------------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| | Tin. | Tin Ore. | Tin. | Tin Ore. | Tin. | Tin Ore. | Tin. | Tin Ore. | Tin. | Tin Ore. |
| Federated Malay States ... | 99 | 757 | 78 | 709 | 133 | 633 | 61 | 681 | 73 | 631 |
| Non-Federated Malay States ... | ... | 79 | ... | 66 | ... | 53 | ... | 51 | ... | 47 |
| Siam, East and West Coasts ... | 8 | 191 | 7 | 192 | 6 | 207 | 5 | 143 | 4 | 104 |
| Australia ... | ... | 20 | ... | ... | ... | ... | ... | 1 | ... | ... |
| Dutch Indies ... | ... | 133 | ... | 50 | 38 | 113 | 1 | 146 | 1 | 169 |
| Union of South Africa ... | ... | 54 | ... | 31 | ... | 24 | 14 | 25 | ... | 17 |
| Other Places ... | ... | 7 | ... | 11 | 2 | 7 | 3 | 21 | ... | 60 |
| Total ... | 107 | 1,241 | 85 | 1,059 | 179 | 1,037 | 84 | 1,068 | 78 | 1,028 |

The following statement shows the Annual Exports of refined Tin in pikuls and tons:—

| | Pikuls. | Tons. |
|----------|-----------|--------|
| 1917 ... | 1,075,714 | 64,031 |
| 1918 .. | 924,750 | 55,044 |
| 1919 ... | 996,947 | 59,342 |
| 1920 ... | 828,363 | 49,307 |
| 1921 ... | 704,225 | 41,918 |

TRADE.

APPENDIX V.

Average Annual Export prices per pikul of produce at Singapore for the five years ended 1916 and the average prices in 1917, 1918, 1919, 1920 and 1921.

| ARTICLES | | | AVERAGE FOR THE FIVE YEARS 1912-1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|--------------------------|-----|-----|--|--------|--------|--------|--------|--------|
| | | | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | c. |
| Coffee | ... | ... | 33 07 | 25 98 | 21 58 | 33 00 | 35 74 | 20 32 |
| Sago Flour | ... | ... | 3 86 | 3 95 | 4 15 | 10 05 | 9 28 | 5 30 |
| Sago, Pearl | ... | ... | 5 44 | 7 70 | 7 72 | 14 12 | 13 38 | 8 29 |
| White Pepper | ... | ... | 34 03 | 39 10 | 47 54 | 56 28 | 50 54 | 32 52 |
| Tapioca, Flake | ... | ... | 7 10 | 12 25 | 12 19 | 15 31 | 8 21 | 5 09 |
| Tapioca, Pearl | ... | ... | 6 97 | 11 66 | 11 52 | 15 23 | 11 95 | 7 25 |
| Tapioca Flour | ... | ... | 5 40 | 6 67 | 8 95 | 10 94 | 12 54 | 6 64 |
| Borneo Rubber | ... | ... | 78 22 | 73 56 | 73 53 | 29 03 | 48 38 | 43 68 |
| Sticklac | ... | ... | 20 55 | 32 34 | 46 33 | 73 99 | 117 27 | 52 93 |
| Hides, Raw | ... | ... | 25 85 | 30 63 | 42 59 | 40 76 | 45 39 | 26 81 |
| Hides, Tanned | ... | ... | 50 06 | 62 56 | 70 00 | 79 16 | 99 43 | 78 04 |
| Rattans | ... | ... | 9 40 | 12 13 | 12 03 | 12 01 | 19 00 | 17 14 |
| Tin | ... | ... | 89 64 | 106 87 | 151 04 | 127 75 | 152 48 | 82 14 |
| Gambier (including cube) | ... | ... | 11 30 | 18 19 | 18 58 | 19 05 | 18 75 | 11 58 |
| Black Pepper | ... | ... | 21 47 | 30 59 | 32 39 | 38 74 | 34 92 | 15 59 |
| Gutta-percha | ... | ... | 47 09 | 41 64 | 36 11 | 116 11 | 134 60 | 149 29 |
| Copra | ... | ... | 10 58 | 7 74 | 8 40 | 18 16 | 22 81 | 12 26 |
| Gum Copal | ... | ... | 14 00 | 12 91 | 15 57 | 19 20 | 36 75 | 20 50 |
| Para Rubber | ... | ... | 148 26 | 128 60 | 82 39 | 98 73 | 102 81 | 28 08 |

APPENDIX W.

Statement showing the quantity of Para Rubber in Centals of 100 lbs. transhipped at Singapore and Penang from Malacca and the Malay Peninsula during the year 1921.

| OUTWARD. | FROM | | | |
|--------------------------------------|---------------------|-------------------------|--|---------------------|
| | Malacca. | Federated Malay States. | Johore and Non-Federated Malay States. | Total. |
| <i>To United Kingdom:—</i> | Centals of 100 lbs. | Centals of 100 lbs. | Centals of 100 lbs. | Centals of 100 lbs. |
| Singapore | 57,025 | 80,843 | 19,407 | 157,275 |
| Penang | ... | 159,839 | 20,077 | 179,916 |
| <i>To Continent of Europe:—</i> | | | | |
| Singapore | 3,013 | 4,840 | 45 | 7,898 |
| Penang | ... | 1,577 | ... | 1,577 |
| <i>To United States of America:—</i> | | | | |
| Singapore | 61,273 | 19,236 | 3,788 | 84,297 |
| Penang | ... | 9,925 | 2,879 | 12,804 |
| <i>To Ceylon:—</i> | | | | |
| Singapore | ... | ... | 151 | 151 |
| Penang | ... | 3,516 | ... | 3,516 |
| <i>To Australia:—</i> | | | | |
| Singapore | 31 | 1,561 | 681 | 2,273 |
| Penang | ... | ... | ... | ... |
| <i>To Other Countries:—</i> | | | | |
| Singapore | ... | ... | ... | ... |
| Penang | ... | 241 | ... | 241 |
| Total | 121,342 | 281,578 | 47,028 | 449,948 |

| | | | | | |
|--|-----|-----|-----|-----|---------------------|
| Total quantity in transhipment <i>via</i> Singapore and Penang to other countries during the year 1921 | ... | ... | ... | ... | 100 lbs. 449,948 |
| Total quantity in transhipment <i>via</i> Singapore and Penang to other countries during the year 1920 | ... | ... | ... | ... | 376,220 |
| Increase | ... | ... | ... | ... | 73,728 |

ADMINISTRATION REPORT, MALACCA.

| | | | | |
|--------------------|-----|-----|-----|-----------|
| | | | | \$ |
| 1. The Revenue was | ... | ... | ... | 2,902,464 |
| compared with | ... | ... | ... | 4,567,976 |

The Revenue in 1920 was the highest ever recorded for the Settlement.

The heavy fall in 1921 figures was due to trade depression, specially in the Rubber Industry.

Under Licences there was a fall of \$1,300,000 approximately.

Less Stamp Revenue was received and Pawnbrokers' Licences were reduced by 50 per cent.

Except Posts and Telegraphs showing a slight increase and Interest increased by loans to the Municipality all classes of Revenue fell away, *e.g.* :—

| | | |
|------------------------------|-------------|-----------|
| | 1920. | 1921. |
| | — | — |
| | \$ | \$ |
| Class II—Fees of Court, etc. | ... 63,220 | 46,581 |
| Class IV—Rents | ... 604,318 | 546,168 |
| Class V—Land Sales | ... 313,700 | 34,247 |
| The Expenditure was | ... .. | 2,490,603 |
| compared with | ... .. | 1,832,757 |

Personal Emoluments increased \$16,806.

Under Buildings and Miscellaneous Works and Public Works Extraordinary there was a saving of \$85,115 but an increase under Miscellaneous Services of \$581,319 due to increased contribution to the Rural Board and grant-in-aid to the Municipal Commissioners.

Rural Board and Municipal Revenue and Expenditure are not included in the figures above.

2. Marine Department.

| | | | | |
|-------------|-----|-----|-----|--------|
| | | | | \$ |
| Revenue | ... | ... | ... | 3,821 |
| Expenditure | ... | ... | ... | 43,459 |

Revenue fell away owing to decreases in Fines and Miscellaneous receipts.

Cases in the Marine Court were fewer in number.

Expenditure increased \$4,539 due to increased cost of Personal Emoluments.

Six hundred and twenty-five merchant vessels over fifty tons burden entered the port, compared with 892 in 1920.

Thirteen Nippon Yusen Keisha steamers with a tonnage of 62,335 tons called at Malacca.

Two thousand nine hundred and ninety-two native craft with a tonnage of 43,045 tons entered the port.

H. M. S. *Malaya* spent a day at Malacca, the American Yacht *Vacona*, one British Submarine L. 9 and the F. M. S. Government Yacht *Sea Belle* called at the port during the year.

Trade returns of imports and exports reflect the gloom and depression in trade.

Comparative figures are—

| | 1920. | 1921. |
|----------------|------------|------------|
| | — | — |
| | \$ | \$ |
| Exports | 46,974,354 | 19,927,895 |
| Imports | 32,267,040 | 14,858,484 |

All Lighthouses were inspected during the year and found in order.

Land and District Offices.

3. The estimated revenue, current and arrears, to be derived from quit rents and assessments was \$680,000.

The actual collections were—

| | | | | \$ |
|-------------------|-----|-----|-----|-----------|
| General Rent Roll | ... | ... | ... | 395,536 |
| Arrears | ... | ... | ... | 8,988 |
| Mukim Assessments | ... | ... | ... | 115,906 |
| Arrears | ... | ... | ... | 2,624 |
| | | | | <hr/> |
| | | | | \$523,054 |

The arrears carried forward to 1922 amounted to the huge total of \$73,020 or nearly 15 per cent of the collections and this in spite of the whole energies of the Land Officers and their staffs being centred on the work of collection in the closing months of the year.

Several thousand notices and warrants had to be issued.

At the date of writing the arrears are much reduced, but unless the rubber sky clears the state of things in 1922 will be even worse than last year.

The collections in 1921 reached \$571,398.

Hardly any items of Revenue reached the estimate.

| | Estimate. | Collection. |
|----------------------------------|-----------|-------------|
| | — | — |
| | \$ | \$ |
| Rubber Dealer's Licence | 40,000 | 29,456 |
| Search Registration, etc. | 2,000 | 320 |
| Survey fees | 10,000 | 3,285 |
| Forest Revenue | 16,500 | 10,188 |
| Premia | 230,000 | 34,247 |

Notice fees on an estimate of \$2,500 yielded \$7,105 and this shows the difficulties land holders had in meeting their obligations to Government.

| | | | | | |
|--|-----|-----|-----|-----|-----------|
| | | | | | \$ |
| The full total of land revenue estimated was | ... | ... | ... | ... | 1,004,150 |
| Collected | ... | ... | ... | ... | 620,534 |

Excluding arrears the collections in each district were—

| | | | | <i>Rent.</i> | <i>Mukim Assessment.</i> |
|-------------------|-----|-----|-----|--------------|--------------------------|
| | | | | — | — |
| | | | | \$ | |
| Central | ... | ... | ... | 74,139 | 36,492 |
| Alor Gajah | ... | ... | ... | 157,599 | 40,785 |
| Jasin | ... | ... | ... | 163,797 | 38,628 |
| | | | | <hr/> | <hr/> |
| | | | | 395,535 | 115,905 |
| making a total of | | | | ... | 511,440 |

The average premium for an acre of land sold at auction was—

| | | | | | 1919. | 1920. |
|------------|-----|-----|-----|-----|-------|-------|
| | | | | | — | — |
| Central | ... | ... | ... | ... | 30 | 45 |
| Alor Gajah | ... | ... | ... | ... | 45 | 92 |
| Jasin | ... | ... | ... | ... | 40 | 90 |

In 1921 alienation of land for rubber cultivation was stopped though in fact there were no applications.

Alienation for foodstuffs and other cultivation was allowed and when areas were taken up under Statutory Grant a premium of \$20 to \$30 an acre was paid.

In the Central District there were 163 applications for Mukim Extract, mostly for padi cultivation.

A quantity of land was taken up at Ayer Molek and Bachang with promising results.

One hundred and twenty-nine applications were registered in Alor Gajah.

The completion of the dam at Pulau Sebang enabled 70 to 100 acres of unworked land to be again cultivated.

In Jasin 380 applications were received, almost all for sawah land at Sungei Rambei and Sebatu.

The premium derived from conversion of Mukim Extracts to Statutory Grant in Town limits and along Tanjong Kling Road was \$3,345 for 23 acres.

The figures of alienation of land and surrender in all three districts are as follows:—

| | | | | |
|------------------|-----|-----|-----|--------------|
| Statutory Grants | ... | ... | ... | 7,738 acres. |
| Mukim Extracts | ... | ... | ... | 1,682 „ |

Surrendered—

| | | | | |
|------------------|-----|-----|-----|-------|
| Statutory Grants | ... | ... | ... | 32 „ |
| Mukim Extracts | ... | ... | ... | 269 „ |

One mining lease of 75 acres was surrendered.

The number of land cases registered and dealt with were—

| | <i>Registered.</i> | | <i>Dealt with.</i> |
|----------------|--------------------|-----|-------------------------------------|
| | — | — | |
| Central ... | 175 | 172 | (71 cases carried forward to 1922). |
| Alor Gajah ... | 150 | 233 | (including arrears). |
| Jasin ... | 202 | 226 | (including arrears). |

Transfer and mortgages of customary land were as follows:—

| | <i>Transfers.</i> | | <i>Mortgages.</i> |
|----------------|-------------------|-----|-------------------|
| | — | — | |
| Central ... | ... | ... | 494 573 |
| Alor Gajah ... | ... | ... | 269 241 |

Thirty-nine Statutory Grants were prepared and issued in the Settlement, compared with one hundred and eight in 1920.

Conveyances, Mortgages and reconveyances registered under the Indian Act were—

| | <i>Value.</i> | |
|-------------------|---------------|-----------|
| | — | — |
| | \$ | |
| Conveyances ... | 479 | 7,507,963 |
| Mortgages ... | 389 | 3,239,461 |
| Reconveyances ... | 98 | 182,862 |

The number of conveyances was less than half the number in the previous year.

Advances of \$20,800 were made to cultivators in the Central District to purchase buffaloes and \$6,550 in Jasin.

In Alor Gajah no loans were made, the outstanding loans being already large.

The season 1920-1921 in the Central District was extremely good, not only was more padi planted than in past years, but very good yields were obtained.

In all three districts steps to measure crops were taken and one acre at Kandang actually yielded 780 gantangs of padi. In Alor Gajah the crop was not good and measurements indicated a general average of 225 gantangs of cleaned grain to the acre.

In Jasin the coast crops were very good, further inland less so, and in one mukim, Nyalas, a complete failure was noted.

There was nothing worthy of remark in the fruit season in Malacca, but in Muar there was a phenomenal crop of dukus and the price for a short time for 100 fruit was down to twenty cents.

Thousands were brought into and sold in Malacca.

Criminal cases in Alor Gajah were slightly less and civil cases more than the years before and the same thing occurred in Jasin. Collections on account of fines in Jasin were only half the previous year's figures.

| | <i>Criminal Cases.</i> | | <i>Fines.</i> | <i>Civil Cases.</i> |
|----------------|------------------------|-------|---------------|---------------------|
| | — | — | — | |
| Alor Gajah ... | ... | 1,087 | 2,879 | 666 |
| Jasin ... | ... | 1,350 | 4,004 | 525 |

Fees in the District and Civil Courts totalled \$2,733 and \$2,087 respectively.

The Alor Gajah Court received assistance from Mr. PERALTA and Mr. CURTIS, Cadet, and Mr. BLACK took Court one day weekly at Jasin.

Defalcations were discovered in October at the Alor Gajah Court in the matter of fees for judicial process leading to the arrest and conviction of the Chinese Interpreter.

Expenditure for the three districts was as follows:—

| | | | | | \$ |
|------------|-----|-----|-----|-----|--------|
| Central | ... | ... | ... | ... | 29,152 |
| Alor Gajah | ... | ... | ... | ... | 29,368 |
| Jasin | ... | ... | ... | ... | 27,938 |

Matters involving a deal of extra work for Land Officers were, a rubber census begun in the Autumn, preparations for the Malaya-Borneo Exhibition of 1922 and enquiries and correspondence on the subject of formation of Co-operative Societies.

4.

Produce.

The quantity and value of the principal Agricultural products exported are appended with 1920 figures for comparison.

| | 1920. | | 1921. | |
|-----------|-------------|------------|-----------|------------|
| | Quantity. | Value. | Quantity. | Value. |
| | Piculs. | \$ | Piculs. | \$ |
| Rubber | ... 324,519 | 35,466,485 | 363,913 | 15,586,768 |
| Tapioca | ... 41,917 | 382,377 | 30,336 | 197,961 |
| Gambier | ... 4,618 | 80,526 | 2,147 | 22,711 |
| Copra | ... 48,390 | 826,963 | 45,273 | 421,264 |
| Ginger | ... 4,612 | 23,395 | 709 | 10,830 |
| Arecanuts | ... 7,840 | 71,806 | 3,143 | 16,098 |

These figures indicate more eloquently than any words the depression in trade and disastrous slump in the price of rubber. Forty thousand more piculs of rubber yielded a value in 1921 more than 100 per cent less than the smaller export of 1920.

In the 2nd quarter of the year no ginger was exported and in the 4th quarter no arecanuts.

Negri Sembilan and Johore sent for export through Malacca 42,994½ piculs of rubber and 14,070 piculs respectively.

Quantities of rubber since July, 1921, have been denoted in centals of 100 pounds in the trade returns.

5.

Labour.

The New Labour Ordinance No. 19 of 1920 came into force on 1st April. Statistics are, therefore, for nine months only. Eight hundred and seventy-five locally engaged labourers were reported for registration, the total number locally engaged was 5,625.

At the close of the year 9,931 Indian labourers were employed on Estates, compared with 12,734 in 1920.

The percentage of females to males was 23·67.

The death-rate was 23 on an average population of 10,781. Of twenty estates with an average population of over 200 persons none had a death-rate exceeding 60 per mille.

In Government Departments the death-rate was 8 per mille.

Eighteen visits of inspection were paid to Estates.

Thirty-three complaints were received and dealt with departmentally. One Manager of a Chetty-owned estate was fined \$50 for late payment of wages.

No disturbances were reported.

Owing to reduced labour forces seven of the eleven Tamil schools on estates were closed.

Twenty-three Estate hospitals were in use. Twelve other Estates had sick lines, all in charge of dressers and visited regularly by Medical practitioners.

The percentage of desertions to average population was 31·65, compared with 48·16 in 1920.

Wages were on the average—

40 cents for tappers.

35 to 30 cents for weeding and field work.

50 cents for store coolies.

There was little or no "overtime". In some cases "short time" was in vogue.

There were 72 Toddy Shops in Estates and in villages.

Complaints of adulteration of toddy were few.

Three thousand seven hundred and forty-seven Chinese, 163 Javanese, and 1,355 other labourers were employed on estates in 1921.

6. Forests.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|--------|
| Revenue | ... | ... | ... | ... | 10,341 |
| Expenditure | ... | ... | ... | ... | 17,209 |

Revenue was less than half the total of the previous year owing to trade depression.

A new forest reserve of two hundred acres was constituted at Cape Rachado.

The usual demarcation and upkeep of boundaries was carried out.

A complete system of compartments was formed in the Bukit Sedanan and Sungei Udang reserves, and a beginning made in Ayer Panas Forest.

No working plans have yet been drawn up for any reserve, the formation of compartments is a preliminary to this.

In eight reserves exploitation of timber was allowed, Class 1 timber marked trees only being felled.

Forty-three licencees worked timber, owing to the absence of compartments supervision was difficult.

Two thousand eight hundred and forty-eight dollars was the result of the 10 per cent royalty levied on timber growing on alienated land.

The Ayer Kroh plantation was partially cleaned during the year. No money was spent on the hardwood plantation.

The penaga and merbau plantations are healthy, but the tembusu plantation is overgrown with weeds and of no value.

Total output of timber from reserves was 2,421 tons.

Minor forest produce yielded little revenue.

Seventy-one forest offences were reported compared with 19 in 1920, of which sixty-five were compounded out of Court.

7. **Public Works Department.**

Expenditure was—

| | | | | \$ |
|--|-----|-----|-----|---------|
| Works and Buildings | ... | ... | ... | 203,537 |
| Roads Streets, Bridges and Canals | ... | ... | ... | 742,015 |
| Personal Emoluments | ... | ... | ... | 62,597 |
| Other Charges and Miscellaneous Services | ... | ... | ... | 20,916 |

The total expenditure of the department was \$1,029,066, \$210,000 less than the year before.

The principal works completed were services at the Hospital, viz.:— Installation of electric light, Concrete floors to four wards and extension of the clothing store. Quarters for an Inspector of Police were built at Merlimau. A Police Station and barracks were built at Tebong and three Vernacular Schools reconstructed.

Dredging the Malacca River for reclamation cost \$20,169.

Progress was made with erection of quarters for an Assistant Engineer at Alor Gajah, Quarters for Forest Guards at Sungei Udang and Merlimau and a Quarantine Station for Animals at Malacca.

Eleven miles of road were reconstructed at a cost of \$40,978 per mile, a very heavy expenditure.

Two hundred and ninety-one miles were maintained at a cost of \$735 a mile.

Extensive repairs were executed at Sungei Rambei Bridge, the Colonial and Johore costs being \$5,121.

A considerable number of culverts of varying dimensions on main roads were reconstructed in concrete.

The Grab dredger removed 105,439 tons of silt and mud from the river to the south reclamation.

In November the dredger was considered unsafe and had to be beached. Extensive repairs are in hand to deck and bracing.

Repairs were carried out to the two river groynes. A portion of the new groyne to connect the concrete river wall with the South groyne was constructed.

The three lighthouses were repaired and maintained in good order.

Survey in detail was prepared of the Merlimau-Sungei Rambei road preparatory to reconstruction.

A contour site plan was prepared for the new Jasin Hospital. Survey of a road to connect Tebong with the Federated Malay States Tampin-Gemas road was put in hand.

Government Bungalow at Tanjong Kling was occupied for 275 days.

Prices of material and cost of labour both skilled and unskilled experienced a marked fall during the year.

8. **Survey Department.**

| | | | | | \$ |
|-------------|-----|-----|-----|-----|--------|
| Revenue | ... | ... | ... | ... | 15,478 |
| Expenditure | ... | ... | ... | ... | 87,732 |

In addition \$22,478 were spent on temporary allowances and \$2,091 on the Clerical staff.

Field expenditure was higher but the average cost per chain was 89 cents, *i.e.*, ten cents lower than in 1920.

Five thousand five hundred and forty-one acres were surveyed, 191 documents were prepared for issue of title.

The year began with 5,911 lots for which requisitions for survey had been received and remained unsatisfied.

Further requisitions bringing the total to 6,914 were received and the balance unsatisfied at the close of the year was 5,904.

Survey work is complicated and slow, old plans being unreliable and much time and labour is taken up in comparing new surveys with old and inaccurate records.

The whole time of the staff is occupied with making an impression on the mass of outstanding requisitions for survey for title.

9.

Police.

The force was practically at full strength. An addition of sixteen Sikh Constables was authorised and all but two had arrived at the end of the year. The Detective force was short of three men.

It is reported that the salaries which have been increased to a very high figure result in a better class of recruit being obtained. Recruiting was good throughout the year.

The Police Dépôt continued to turn out well-trained men.

There was an increase in the number of cases dealt with by the Chief Police Officer. Absence without leave and disobedience to orders were the usual faults.

The European Officers were unfortunate in the matter of health, but nothing unusual occurred in the native force.

Besides Hospital patients 192 officers received out-door treatment.

The drill of the Sikh Contingent and dépôt boys was smart and good, at out-stations a lower standard prevailed.

Some non-commissioned officers are very dull.

The usual musketry course was fired by Sikhs and Malays with fair results.

Clothing and accoutrements were generally sufficient. Supplies from the Crown Agents for 1921 had not been received at the close of the year.

Telephone service was much improved. Complaints now occur more in connection with personnel than material. The new Police Station at Tebong is the only one without a telephone. The work of connecting Police Stations to a public exchange continued throughout the year and was not completed by 31st December.

The Malay and Indian Contingent are still armed with the old Snider rifle. These arms are obsolete and worn out.

The Sikh Contingent was re-armed in October with Lee Enfield Rifles.

Mark III ammunition was in fair condition, but much is over five years old. The '303 cordite is all over five years old.

Gambling cases occupied little time of the force. Eight search warrants were issued, and a number of persons arrested for gaming in public.

Quarantine duty called for an average of three men daily. There were no epidemics.

Traffic congestion has for some time required attention. A separate branch was started in April with a European Inspector and three Sikh Police Constables specially detached for traffic regulation. A certain amount of good has been done, but further efforts are needed.

Nine hundred and eighteen dogs were destroyed by the Police and one crocodile.

Pound fees realised \$3,943, a considerable increase over 1920 due to the new pounds that were established in that year. The question of increase of poundage fees has again come up for consideration.

Two persons were under Police supervision in the Settlement.

Twelve habitual criminals were banished upon the recommendation of the department.

Sixteen hundred and forty-five enquiries were made of the Registrar of Criminals and 228 persons found to be recidivists of whom two were returned banishees.

Secret societies gave no trouble.

Three thousand and five summonses were issued by the Police, two thousand two hundred and forty-nine convictions resulted, and two hundred and forty-five cases were pending at the close of the year.

The Chief Police Officer notes the prevalence of gang robbery while offences against the person did not increase.

New barracks were built at Alor Gajah, a new Police Station and Barracks at Tebong, and new Barracks at Batu Berendam.

Quarters for a Sub-Inspector were built at Alor Gajah.

10. Administration of Justice.

There was again an increase in arrest cases, but summons cases were less.

Figures were—

| | | | 1920. | 1921. |
|-------------------|-----|-----|-------|-------|
| | | | — | — |
| Arrest cases | ... | ... | 1,275 | 1,563 |
| Summons cases | ... | ... | 2,478 | 2,232 |
| Number of persons | ... | ... | 4,071 | 4,352 |

No less than 383 persons were sent to the House of Detention as Vagrants.

In the District Court there were a few more cases than the year before.

There was a considerable increase in summons cases and subpoenas issued.

| | | | \$ |
|--------------------------------|-----|-----|-------|
| Fines and forfeitures totalled | ... | ... | 7,194 |
| Fees were | ... | ... | 1,496 |
| Fines in Monopoly cases were | ... | ... | 1,650 |

In the District Court on the Civil side the number of claims nearly doubled and the sums claimed were \$208,957, against \$107,464 in 1920.

No doubt bad trade and inability of debtors to settle debts was the cause of this.

Judgment was entered for \$137,189.

Fees collected in stamps were \$8,660, compared with \$4,491 the year before.

In the Supreme Court four sessions of Assize were held and twenty-seven cases tried. There were four murder cases.

There were thirteen appeals against the decisions of the District and Police Courts of the Settlement.

The number of suits filed were 452, compared with 174 in 1920.

Total receipt on account of fees were \$10,642, compared with \$6,517 the previous year.

11. Mohammedan Marriage Ordinance.

| | | |
|---|-----|-------|
| The number of marriages registered were | ... | 1,095 |
| Divorces | ... | 652 |
| Revocation of divorces | ... | 74 |

There was a 50 per cent decrease in marriages, in fact a slump as in trade.

KATHI AHMAT of the Coast Division was given Civil powers in dowry and maintenance cases under section 22, Ordinance 26 of 1880.

12. Chinese Protectorate.

Little unemployment, in spite of the rubber slump, was brought to notice of the department.

A fund raised for repatriation of decrepit coolies was little used. Only four made use of it. Claims for wages against Contractors and employees occupied much time in the office.

Eighteen Native Passenger lodging-houses were licensed of which one was for Japanese.

Six societies were registered and one exempted.

At the close of the year there were 40 exempted and 80 registered societies.

Five women were admitted to the Poh Leong Kuk Ward. One was under detention at the end of the year.

Six meetings of the Chinese Advisory Board were held, the subjects of discussion being registration of Chinese marriages, repatriation of destitute coolies, quit rents on Chinese estates and registration of domestic servants.

The Poh Leong Kuk Committee held two meetings.

There was no active opposition to the Registration of Schools Ordinance, but some delay in complying with it. All known schools and teachers are now registered. Twelve Chinese schools, thirty teachers and seventy-five managers and members of committees have been registered.

13. Posts, Telegraphs and Telephones.

Postal articles decreased nearly twenty per cent in numbers. Increased rates came into force on 1st October.

There was an increase in the number of registered articles handled.

Cash-on-delivery service dealt with greater numbers, but decreased values.

Parcels were less than the year before.

A "Dead letter office" was started in May. Chinese clubbed packets contained fewer letters than in 1920.

In the money order branch there was a decrease in value and a small increase in the number of transactions.

Certain rates of commission were raised from the 1st July. With regard to money order business generally increased powers were delegated to the Superintendent.

The Savings Bank business dealt with an increase in the number of accounts, while cash values were less.

A branch of the Savings Bank was opened at Alor Gajah Sub-Post Office in December. It is too early to judge of its activity.

New sub-offices were opened at Masjid Tanah and Merlimau.

The sub-office at Durian Tunggal Railway Station was given up and replaced by a sub-office at the village.

Alterations in the Head Office building were carried out to provide more accommodation.

A motor mail van in town replaced bullock-cart transport to and from the Railway Station.

Attendance of postal clerks on Sundays was abolished, except when a European mail was received.

International Postal Statistics were taken in May.

Existing contracts for conveyance of mails to the Country were terminated and new ones made on cheaper terms.

Telegraph messages sent and received decreased nearly twenty per cent. Circuits worked well. The Malacca Office was rewired throughout, the work being nearly finished at the close of the year.

Rates were raised on 1st September. Authority was given to establish telegraphs at Sub-Post Offices at Durian Tunggal, Merlimau and Asahan.

There was a small decrease in rental paying exchange circuits and increase in extension circuits. Revenue was slightly more.

The work of transferring Police Telephones to Public Exchanges abolishing separate Police Exchanges, wherever possible continued throughout the year, and large quantities of stores for other works were received.

Three female operators were appointed.

Unsatisfactory features noted were frequency of faults due to overhanging trees, overcrowded lines in the town and unreliability of the switchboard. The new switchboard has since arrived.

Shortage of new instruments prevented instruments needing overhaul being attended to in the early part of the year, later receipt of new instruments remedied the disadvantage.

Towards the end of the year a small increase of rental was authorised and accepted by most subscribers.

Underground cables in the town worked well.

Two criminal cases occurred—A Postman at Asahan absconded with a bicycle. Another Postman was sentenced at Malacca to nine months' imprisonment for stealing letters.

| | | | | |
|---------------------------------|-----|-----|-----|--------|
| | | | | \$ |
| Total Revenue was | ... | ... | ... | 79,088 |
| and Expenditure | ... | ... | ... | 90,117 |
| excluding temporary allowances. | | | | |

Considerable sums were spent in special expenditure on improvement and increase of Telegraph and Telephone Services.

14.

Prison.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Expenditure | ... | ... | ... | ... | 29,508 |

Estimates of expenditure were considerably swollen on account of the very large number of vagrants admitted due to the trade depression and want of employment.

Three hundred and forty-nine persons were received into custody and 27 remained at the close of the year. The daily average was 34.11.

There were no suicides, escapes or executions.

Twenty-six long sentence prisoners were transferred to Singapore.

Of three hundred and forty-nine prisoners forty-six proved to have had previous convictions recorded against them.

Three hundred and fifty-one persons were received into the Civil Prison. The daily average was 14.35 or twice the daily average of 1920.

One Chinese prisoner committed suicide.

One female prisoner was received into custody. Health was good throughout the year.

The old practice was revived of sending prisoners with sentences exceeding three months to Singapore to serve their sentence.

Four hundred and fifty-one vagrants were received and confined in the House of Detention which forms part of the Prison building.

15.

Medical Department.

| | | | | | |
|-------------|-----|-----|-----|-----|---------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 20,262 |
| Expenditure | ... | ... | ... | ... | 209,360 |

There was a reduction of \$33,000 in expenditure.

The estimated population of the Settlement was 161,238 of whom Malays numbered 102,452 and Chinese 46,083.

The birth-rate was 37.86 per mille, and the death-rate 27.71 the lowest ever recorded.

Vaccinations were vigorously carried out and owing to the prevalence of Small-pox in Muar District special efforts were directed to the vaccination of the inhabitants of the border mukims.

No Small-pox outbreak occurred.

Population of the Municipal area was estimated to be 30,671. The death-rate shows the low figure 24.71 per mille.

The daily average in the General Hospital was 72.50. Admissions were 1,398 and discharges 1,278. Percentage of deaths to total treated was 6.38.

One hundred and sixteen male and twenty-seven female European patients were admitted. One death occurred.

Principal diseases treated were, Ankylostomiasis, Dysentery and Malaria.

Admissions to the Native Free Hospital were 1,880 and discharges, 1,585. Average daily sick was 199.48. Percentage of deaths to total treated was 13.36.

Principal diseases treated were, Ankylostomiasis, Beri-beri, Dysentery, Malaria, Syphilis, Tuberculosis and Ulcers.

A large number of major and minor operations were carried out.

Seventy-two dead bodies were sent by the Coroner for autopsy.

No cases were sent to the Quarantine Camp for isolation, but 25 were admitted for treatment of which 13 were for leprosy.

A number of improvements in the buildings were completed including extension of clothing store, concreting floors of four wards, extending nurses' quarters and installation of electric light throughout the Hospital.

Improvements were made in incineration and disposal of rubbish and disinfection of clothes and bedboards.

At Jasin the Hospital admissions were 728 and discharges 630. Daily average was 51.96 and percentage of deaths 10.32.

Ankylostomiasis, Malaria and Ulcers were the chief diseases.

Increased use was made of the Government Out-door Dispensary in town, a great number of people required treatment for Pyrexia. Malaria, Debility, Tonsilitis and Diarrhoea were common complaints.

Three hundred and thirty-nine persons received treatment at the Alor Gajah Out-door Dispensary.

There were 92 admissions to the Prison Hospital and three deaths.

The contemplated appointment of a pathologist with laboratory and staff was not proceeded with.

Plans for new Jasin Hospital at $5\frac{1}{4}$ mile on the selected site were completed.

The Malacca Agricultural Medical Board did good work. Malarial surveys have been made on unhealthy estates and much done to improve unhealthy coolie lines. Large estates were regularly visited, small estates under Asiatic ownership give more trouble.

Difficulty was met with in collection of assessment on account of depression in the rubber industry and the staff was not fully manned.

The Health Officer's report shows that Malaria Fever and unspecified and Convulsions accounted for 64.48 of total deaths.

Water in the Municipal area from the reservoir and Bukit China wells was frequently analysed and on one occasion only did analysis suggest contamination in water from one of the wells. After clearing the well the water became normal.

In country villages provision of pure well water is a matter for attention, increase of population making contamination of existing wells more probable.

Many visits were paid to Estates, sanitation on the large ones was good, but on the small ones leaves much to be desired.

Incinerators of the small army pattern made of kerosene tins filled with mud were put up by the District Officer at Alor Gajah and Pulo Sebang and proved extremely useful. More will be built in 1922.

In the town area the mosquito survey has been fairly well completed and much oiling done. It is the consensus of opinion that there is a diminution of these insects. A good many surveys were made in the country and later in the year six coolies employed for oiling.

16.

Veterinary Department.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|--------|
| Revenue | ... | ... | ... | ... | 447 |
| Expenditure | ... | ... | ... | ... | 14,866 |

Revenue of 1920 was \$1,639. The decrease was due to lesser import of cattle on account of trade depression. The beef and pork markets were supplied with animals from Malacca and neighbouring districts.

Expenditure rose over \$4,000.

There was a sharp outbreak of rinderpest in April beginning in Bachang and spreading to many mukims in the Central district and thence to Alor Gajah. Rain followed by floods spread the disease and cartmen purchasing grass in infected areas carried it far afield. The total number of cases was 537 with 356 deaths.

The mortality in buffaloes was over 90 per cent at the commencement of the outbreak and 70 per cent when the disease assumed a milder form. Mortality in bullocks was 28 per cent.

Anti-rinderpest serum was successfully used in the case of bullocks. A serum for buffaloes has yet to be found.

The loss represents over \$30,000.

At the end of the year Pulo Sebang Mukim only remained infected.

There were five small attacks of Foot-and-Mouth, the disease being of a mild type.

The Settlement was free from rabies. Two thousand and twenty-seven dogs were shot in all.

Eight cases of swine fever were noticed in animals brought to the abattoir for slaughter.

Four hundred and eighty-three dollars were taken in fines on account of prosecutions under the Quarantine Regulations and for cruelty to animals.

Import and Export figures for 1921 compared with 1920 were :—

| <i>Animals.</i> | 1921. | | 1920. | |
|-----------------------|----------------|----------------|----------------|----------------|
| | <i>Import.</i> | <i>Export.</i> | <i>Import.</i> | <i>Export.</i> |
| Cattle ... | 316 | 22 | 2,690 | 76 |
| Horses and Ponies ... | 13 | 3 | 58 | 15 |
| Sheep and Goats ... | 360 | 3 | 872 | 4 |
| Swine ... | 273 | 2,461 | 7,847 | 118 |
| Dogs ... | 26 | 45 | 34 | 18 |
| | 988 | 2,534 | 11,501 | 231 |

17.

Mohammedan and Hindu Endowment Board.

The financial position was satisfactory.

Land at Pengkalan Rama acquired for the new Municipal market was sold for \$13,337 and after reference to the Court awarded to the Kampong Ulu Mosque as part of Dato SAMSUDIN's Trust Estate. The money was partly used in the purchase of a property at Heeren Street and a loan on mortgage.

Rents on a relet of some houses increased \$1,300.

The sale of numbers 7, 8, 9, Mill Road, to the Municipality on account of the new road was arranged for a total sum of \$37,486.

Repairs were carried out to a number of buildings, the property of the Board.

Complaints were made against the conduct of some of the members of the Committee of Management of the Kampong Kling mosque in Goldsmith Street and some allegations made in respect of the Hindu Temple at Gajah Berang which were receiving the attention of the Board at the close of the year.

18.

Education Department.

| | | | | | |
|--|---------|--|--|--|----|
| | | | | | \$ |
| Revenue including balance of \$176,404 from 1921 ... | 208,678 | | | | |
| Expenditure | 294,508 | | | | |

English Schools.—

The High School had an average enrolment of 444 and attendance 442.

Work was satisfactory, and the Cadet Corps was as efficient as ever. A specially satisfactory feature was the revived interest in sport and games. A playing field is a much-felt want.

The Preparatory School had an average attendance of 112. In January thirty-six Malay boys were admitted. There is a keen demand for admission.

The five Grant-in-Aid schools had an average enrolment of 1,207 pupils.

Standard VII examinations have been abolished and schools now carry out their own examinations.

Needle-work examined at the three girls' schools in the town showed excellent work.

Normal classes were held as before.

Medical examination of all children in English Schools was regularly carried out.

The registration of schools and teachers was completed without difficulty.

Owing to the trade depression several Tamil schools on Estates were closed.

Vernacular Schools.—

The appointment of Superintendent, Vernacular Schools, lapsed in March when the newly appointed Inspector of Schools took charge.

The cost \$121,642 worked out at \$22.94 per head per pupil compared with \$20.73 in 1920.

The eight group teachers continued to work satisfactorily.

Enrolment in boys' schools was 5,051 and average attendance 4,761.

Girls' schools enrolled 251 with an attendance of 227.

Three hundred and thirty-six dollars fines were imposed on parents for failing to send their children to school.

Bukit Rambei and Nyalas Schools were rebuilt.

Basketry was done in forty-seven schools. The baskets realised \$468. The work showed improvement in quality.

School gardens improved, nearly all are now fenced in.

The Vernacular School teachers also assisted in Census work and were employed in connection with the rubber census in progress at the close of the year.

Expenditure on the Malay College rose from \$28,110 to \$36,355 on account of increased salaries and allowances. •

There were 70 students at the end of the year. No candidates were rejected on account of physical unfitness.

Drill and games went on as usual, health was satisfactory.

The annual examination was held by the Director of Education.

Thirty-nine senior students gained certificates.

Four hundred and thirty-seven baskets were made and three hundred and eighty-four sold for \$985.

19. **Monopolies Department.**

Chandu sales were adversely affected by the depression in trade.

The number of tahils sold and cash realised for 1920 and 1921 were :—

| | | | | | \$ |
|------|-----|-----|-----|----------------|-----------|
| 1920 | ... | ... | ... | 182,815 tahils | 2,193,970 |
| 1921 | ... | ... | ... | 103,854 ,, | 1,246,248 |

Liquor duty fell from \$286,544 to \$183,231. Store rent yielded \$2,480. Tobacco duty which increased in 1920 to \$165,155 compared with \$132,846 in 1919 was reduced to \$131,246.

Toddy Shop licences yielded \$41,161. Stamp fees realised \$39,666.

There was one Revenue Officer employed less than the year previous.

Forty-five cases were taken to the Police Court of which twenty-five were for breaches of the Opium Ordinance and eleven for breaches of the Liquor Ordinance.

The total quantity of chandu dross recovered by purchase from licencees was 3,381 tahils.

20. **Volunteers.**

The strength of the Corps on 31st December was nine Officers and two hundred and seventy men. A Company, European, was reduced from 106 men in 1920 to 79 men on account of European planters leaving the Settlement.

There was no camp owing to suspension of training.

The annual musketry course was not fired, but the monthly spoon shoot was continued.

New legislation for a force to be recruited on altered lines was in course of preparation at the close of the year.

21. **Agriculture.**

Mr. FAIRWEATHER assumed duty as the First Assistant Agricultural Inspector in Malacca on 1st April.

Over twenty rubber estates were visited from time to time, many more than once. Cases of bark canker, mouldy rot, and pink disease, were found on various estates. Brown Bast is reported to be generally prevalent, but not so much as in the Federated Malay States.

Small holdings were found to be often overgrown with lallang and scrub. Nineteen cases were brought before the Magistrates on this account.

Uprooting and destruction of dead stumps was energetically carried out. Quite a number on roadsides were removed. Notices were issued enforcing removal from private land.

Coconuts in Malacca are practically all planted on small holdings. Most attention was paid to those in the Central District. Over three thousand notices were distributed to owners and occupiers requiring them to destroy or remove rubbish likely to harbour coconut beetles' eggs.

Three hundred and forty-four cases were taken to Court. A considerable improvement was noted in the palms.

Experiments in planting Roselle fibre in small quantities have been tried on two estates. Other enquiries were received but a further supply of seed was not available.

The padi crop suffered, as usual, to some extent from rats and destructive insects.

Natives, like the peasants and farmers of the West, are in the habit of magnifying damage done and it is difficult to obtain reliable data. The fruit crop was well up to the average and vegetables abundant.

General.

Rubber remained at a very low price throughout the year varying between 26 and 38 cents per pound.

Business of all kinds became entirely demoralised, debtors were unable to pay their creditors, and the community generally suffered severe losses.

1921 will be remembered in future years as the most disastrous year in the history of the Industry.

An event of notable significance was the decision to restore the Dato Naning to his former status and position. The appointment was abolished by the Indian Government ninety years ago after the two Naning Wars and the defeat of DOL SYED, the Dato at the time.

The ceremony was carried out at Alor Gajah Office by the Resident Councillor with much éclat amid a very large concourse of Malays from all parts of the Naning District.

As this is the last Annual Report I shall write owing to my approaching retirement I take the opportunity of thanking all officers who have served under me for their loyal work and of bidding them farewell.

L. E. P. WOLFERSTAN,

Resident Councillor.

RESIDENT COUNCILLOR'S OFFICE,

MALACCA, 13th March, 1922. [No. 2310/22.]

ADMINISTRATION REPORT, PENANG.

The Revenue and Expenditure for the Settlement were as follows:—

| | | | | |
|-------------|-----|-----|-----|-----------|
| | | | | \$ |
| Revenue | ... | ... | ... | 9,599,963 |
| Expenditure | ... | ... | ... | 6,001,777 |

The figures for the last 5 years are:—

| | | | <i>Revenue.</i> | <i>Expenditure.</i> |
|------|-----|-----|-----------------|---------------------|
| | | | \$ | \$ |
| 1917 | ... | ... | 5,195,405 | 1,883,785 |
| 1918 | ... | ... | 6,526,377 | 1,948,574 |
| 1919 | ... | ... | 7,933,252 | 2,497,909 |
| 1920 | ... | ... | 10,274,946 | 4,779,277 |
| 1921 | ... | ... | 9,599,963 | 6,001,777 |

The net decrease in revenue was \$674,983. The principal items showing decreases were opium \$1,268,238, liquors \$103,439 and stamp duties \$173,893. Income Tax showed an increase of \$230,000 and tobacco \$72,726.

The Treasury balance at the end of the year was \$3,722,448.

The amount drawn by Singapore during the year was \$3,000,000.

Telegraphic Transfers to and from Singapore were \$19,025,000 against \$29,400,000 in 1920.

Twelve thousand two hundred and thirty-two silver dollars were received from the Banks. Worn-out notes (exclusive of 10 and 25-cent notes) to the value of \$356,565 were withdrawn from circulation.

The following table shows the issue of subsidiary coin and notes in 1920 and 1921:—

| | | | 1920. | 1921. |
|--------------------------------------|-----|-----|----------------------------------|-------------------------|
| | | | \$ | \$ |
| Subsidiary Coin (Silver) | ... | ... | 38,940 | 28,000 |
| " " (Nickel 5-cent pieces new issue) | | | Nil | 41,600 |
| " " (Copper) | ... | ... | 42,650 | 9,540 |
| " " 10-cent notes | ... | ... | { 337,500 (old) 263,400 (new) | { Nil. 141,600 (new) |
| | | | 682,490 | 220,740 |

The reappearance, in large quantities, of the old silver 5-cent, 10-cent and 20-cent pieces, accounts for the reduced demand for 10-cent notes \$322,542.90 of 10-cent notes (old issue), \$98 of 10-cent notes (new issue), \$472 of 25-cent notes were withdrawn from circulation during the year and cancelled.

Mr. SEDWICK was in charge of the Treasury throughout the year.

LAND AND DISTRICT OFFICES.

| | | <i>Revenue. Expenditure.</i> | |
|---|-----|------------------------------|--------|
| | | — | — |
| | | \$ | \$ |
| Land Office (Penang, N. E.) | ... | 73,489 | 25,644 |
| D. O. B. Pulau (Penang, S. W.) | ... | 185,721 | 17,436 |
| S. D. Office, Butterworth (P. W. North) | ... | 377,554 | 41,016 |
| D. O. Bukit Mertajam (P. W. Central) | ... | 271,681 | 20,371 |
| D. O. Nibong Tebal (P. W. South) | ... | 343,820 | 22,013 |
| District Office, Dindings | ... | 292,731 | 40,239 |

Land Revenue.

The Land Revenue collected in these Land Offices is as follows:—

| | | <i>Estimated</i> | <i>Actual</i> | <i>Actual</i> | <i>Actual</i> |
|---------------|-----|------------------|---------------|---------------|---------------|
| | | <i>1921.</i> | <i>1921.</i> | <i>1920.</i> | <i>1919.</i> |
| | | — | — | — | — |
| | | \$ | \$ | \$ | \$ |
| Penang, N. E. | ... | 67,900 | 73,489 | 80,837 | 66,608 |
| „ S. W. | ... | 36,561 | 38,120 | 37,437 | 34,027 |
| P. W. North | ... | 27,560 | 29,093 | 31,552 | 26,908 |
| „ Central | ... | 37,405 | 41,932 | 39,857 | 38,936 |
| „ South | ... | 34,601 | 33,649 | 38,962 | 31,428 |
| Dindings | ... | 72,408 | 70,069 | 64,611 | 53,259 |

The effective totals of the Rent Rolls at the end of the year were:—

| | | <i>1921.</i> | <i>1920.</i> | <i>1919.</i> | <i>1918.</i> |
|---------------|-----|--------------|--------------|--------------|--------------|
| | | — | — | — | — |
| | | \$ | \$ | \$ | \$ |
| Penang, N. E. | ... | 14,972 | 14,916 | 14,440 | 14,149 |
| „ S. W. | ... | 28,294 | 28,369 | 28,296 | 28,299 |
| P. W. North | ... | 22,406 | 22,162 | 21,428 | 21,112 |
| „ Central | ... | 33,267 | 31,867 | 31,223 | 32,272 |
| „ South | ... | 25,484 | 24,763 | 24,236 | 25,229 |
| Dindings | ... | 54,063 | 46,800 | 39,462 | 38,347 |

Business in the real property market was dull owing to the continued trade depression.

Twelve thousand three hundred and fifty-seven square feet of land in Penang were alienated during the year.

There were 54 applications for Crown Land received in Province Wellesley and 14 in the Dindings.

In Penang there were two fruit seasons. The padi crop was good. The price of coconuts at the end of the year was \$35 per 1,000.

In Province Wellesley the padi crop was good owing to favourable weather conditions.

In the Dindings the total area under padi cultivation was 980 acres.

REGISTRY OF DEEDS AND BILLS OF SALES.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 17,474 |
| Expenditure | ... | ... | ... | ... | 12,414 |

The number of deeds finally registered was 6,477 as against 10,995 in 1920.

The decrease of \$12,752 in revenue is due mainly to the small number of deeds presented for registration owing to the general depression in trade.

REGISTRY OF MUHAMMADAN MARRIAGES.

The fees collected during the year came to \$95 as against \$30.25 in 1920. These fees are derived from searches of and extracts from entries in the Registers.

There are 22 Kathis. The number of marriages registered was 2,127, divorces 1,336 and revocation of divorces 194.

FORESTS.

The area of reserved forest in Penang and Province Wellesley is 16,241 acres and in the Dindings 27,873 acres.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 16,817 |
| Expenditure | ... | ... | ... | ... | 15,246 |

The revenue shows a decrease and the expenditure an increase over 1920 figures.

REGISTRY, SUPREME COURT.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 27,393 |
| Expenditure | ... | ... | ... | ... | 78,079 |

The Court of Appeal sat in Penang for 9 days and disposed of 19 Civil appeals, 2 Motions to enlarge time and 1 Criminal appeal.

The Criminal Assizes occupied 62 days, 95 prisoners were tried, of whom 61 were convicted, 27 acquitted and 7 not proceeded against by the Deputy Public Prosecutor.

The number of petitions for Administration and Probate filed was 412, the value of Estates being \$2,476,829 as against 575 and \$2,543,822 respectively in 1920.

The following comparative table shows the Civil work during the last five years:—

| | | | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------------|-----|-----|-------|-------|-------|-------|-------|
| | | | — | — | — | — | — |
| Suits | ... | ... | 475 | 413 | 479 | 561 | 997 |
| Interpleaders | ... | ... | 7 | 3 | 2 | 3 | 20 |
| Probates and Administration | | | 524 | 490 | 644 | 575 | 412 |
| Bankruptcy Petitions | ... | ... | 44 | 23 | 17 | 30 | 77 |
| Summons in Chambers | ... | ... | 551 | 573 | 446 | 557 | 758 |

Mr. B. E. ROSS was in charge of the Registry up to the 16th May when Mr. H. G. SARWAR returned from leave and took over from him and remained in charge till the end of the year.

REGISTRY OF COMPANIES.

The fees and fines collected during the year were \$3,660 as compared with \$3,795 in 1919 and \$10,919 in 1920.

Eight Companies with a capital of \$1,220,000 were registered. Three newly registered Companies were removed from the Register under section 253. Seven Companies were dissolved on the expiration of three months from the filing of notice of the holding of final meeting.

Two Companies went into voluntary liquidation.

There were two prosecutions, and fines amounting to \$160 were imposed.

One foreign Company incorporated under the Belgian Law was registered.

Fifteen new Companies filed documents under section 287.

BANKRUPTCY DEPARTMENT.

| | | | | | |
|-------------|-----|-----|-----|-----|-------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 5,016 |
| Expenditure | ... | ... | ... | ... | 9,386 |

The amount of insolvency shows a large increase, being \$813,774 as compared with \$45,815 in 1920. The estimated loss per centum was 87.38 as against 83.12 in 1920. The amount of estimated assets was \$118,125 as against \$9,298 in 1920.

Three applications were made for rescission of Receiving Orders and annulment of Adjudication Orders.

There were no criminal proceedings. Thirty-five Chinese, 10 Mohamed-ans, 3 Tamils, 1 Indian Christian, 1 Parsee and 3 Anglo-Indians were adjudicated bankrupt during the year.

Sixteen Estates were administered by the Assistant Official Assignee as Receiver and Administrator.

Mr. A. C. BAKER was in charge of the department up to the 24th October when he was relieved by Mr. H. C. BATHURST.

DISTRICT COURT (CIVIL).

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 23,765 |
| Expenditure | ... | ... | ... | ... | 16,283 |

The total number of cases was 3,932 as compared with 2,959 in 1920. Of these 674 were suits for \$250 and over.

The amount claimed totalled \$586,808 and judgment was entered for \$301,861.

There were seven appeals.

DISTRICT AND POLICE COURTS.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 43,594 |
| Expenditure | ... | ... | ... | ... | 46,868 |

The total number of cases was 4,656 as against 4,426 in 1920. The number of persons involved was 6,454 as against 6,809 in 1920, and the number of persons convicted was 4,695 as against 5,017 in 1920.

Fourteen persons were ordered to be whipped of whom 10 were juveniles and 4 adults.

One hundred and ninety-two vagrants were sent to the House of Detention.

Seven boys were committed to the Reformatory, sixty-seven lunatics to the Lunatic Asylum and seven lepers to the Leper Asylum.

Fourteen persons were bound over to come up for judgment when called upon, twenty-eight to keep the peace and one to be of good behaviour.

The number of extradition and rendition cases was 16 as against 5 in 1920.

There were 16 appeals as against 17 in 1920.

Mr. G. A. SMITH officiated as District Judge and First Magistrate until the 5th January when Mr. R. SCOTT relieved him and remained in charge till the end of the year. Captain A. C. BAKER acted as Second Magistrate in addition to his own duties as Assistant Official Assignee up to the 24th October when he was permanently appointed to the post of 2nd Magistrate. The appointment of 3rd Magistrate remained vacant throughout the year and the work of the 3rd Court was distributed between the First and Second Magistrates.

MEDICAL DEPARTMENT.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|---------|
| Revenue | ... | ... | ... | ... | 64,021 |
| Expenditure | ... | ... | ... | ... | 578,993 |

The population of Penang Island was 162,310, Province Wellesley 130,335 and Dindings 11,927 according to the 1921 Census.

The birth-rate was:—

Penang Island 32'00 per mille, an increase over 1920 of 2'45 per mille.

P. Wellesley 35'48 per mille, increase over 1920, 4'71 per mille.

Dindings 27'92 per mille, increase over 1920, '78 per mille.

The death-rate was:—

Penang Island 31'58 per mille, decrease on 1920, 3'72 per mille.

P. Wellesley 28'61 per mille, increase over 1920, 1'09 per mille.

Dindings 30'69 per mille, decrease on 1920, 4'08 per mille.

The total number of deaths was 9,222, the infantile mortality being 1,661 and the mortality under three months 1,043. The number of patients treated at the Out-door Dispensary was 8,899.

Zymotic Diseases.

Influenza.—There were 48 deaths as compared with 123 in 1920.

Small-pox.—There were 3 cases with 2 deaths in Penang Island as compared with 34 cases with 22 deaths in 1920. In Province Wellesley there were 4 cases with no deaths as compared with 6 cases with 1 death in 1920.

Plague.—There was one case only in Penang Island.

Cholera.—There was no cholera in Penang Island. In Province Wellesley there were 4 cases with 3 deaths.

The number of patients admitted to the different hospitals shows an increase, being 12,094 as compared with 11,385 in 1920.

Vaccinations.

Ten thousand three hundred and fifteen vaccinations were performed by the Government Vaccinators in Penang, 3,461 by the Municipality and private practitioners, 3,779 by Province Wellesley Vaccinator and 234 by the Dindings.

Meteorological.**Rainfall :—**

| | | | | | |
|---------------------------|-----|-----|-----|---------|--------------|
| Penang | ... | ... | ... | 3,488 | millimetres. |
| P. Wellesley.—Butterworth | ... | ... | ... | 2,493 | ,, |
| Bukit Mertajam | ... | ... | ... | 2,697 | ,, |
| Sungei Bakap | ... | ... | ... | 2,039'5 | ,, |
| Penaga | ... | ... | ... | 2,173'5 | ,, |
| Dindings | ... | ... | ... | 1,824 | ,, |

Driest Month :—

| | | | | | |
|---------------------------|-----|-----|-------|-------------|-----------|
| Penang (Balik Pulau) | ... | ... | 36' | millimetres | December. |
| P. Wellesley.—Butterworth | ... | ... | 36'50 | ,, | February. |
| Bukit Mertajam | ... | ... | 61'5 | ,, | June |
| Sungei Bakap | ... | ... | 100' | ,, | June |
| Penaga | ... | ... | Nil | ,, | June |
| Dindings (Pangkor) | ... | ... | 25' | ,, | January |

Wettest Month :—

| | | | | | |
|---------------------------|-----|-----|--------|-------------|------------|
| Penang (Balik Pulau) | ... | ... | 726' | millimetres | September. |
| P. Wellesley.—Butterworth | ... | ... | 517'25 | ,, | September. |
| Bukit Mertajam | ... | ... | 570' | ,, | September. |
| Sungei Bakap | ... | ... | 306' | ,, | October. |
| Penaga | ... | ... | 554' | ,, | September. |
| Dindings (Pangkor) | ... | ... | 540' | ,, | October. |

Average day temperature :—

| | | | | |
|---------------|-----|-----|-------|--------------|
| Penang Island | ... | ... | 83'4 | millimetres. |
| P. Wellesley | ... | ... | 90'01 | ,, |
| Dindings | ... | ... | 84'25 | ,, |

Arrangements were made to take over the Maternity Hospital from the Municipality at the end of the year.

In October a Committee to visit the General Hospital was appointed under the Hospitals Board Ordinance.

Dr. W. H. FRY was in charge till the 24th May when he went on leave and was relieved by Dr. J. GRAY who remained in charge till the end of the year.

GOVERNMENT ANALYST'S DEPARTMENT.

| | | | | | |
|-------------|-----|-----|-----|-----|-------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 4,173 |
| Expenditure | ... | ... | ... | ... | 9,982 |

Three hundred and eighty-four reports were issued on general analytical work and one hundred and fifteen on petroleum tested.

Four importations of Gelignite representing 135,000lbs. were inspected.

Specimens of human viscera, etc., were examined in 7 cases of suspected poisoning; in one case arsenic was discovered and in one mercury.

There was no Analyst here from February to November. The routine work was done by Laboratory Assistant, Mr. LIM CHOON CHENG, Dr. SAYERS being in charge of the department. Mr. J. C. COWAP returned to Penang in December.

VETERINARY DEPARTMENT.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 4,792 |
| Expenditure | ... | ... | ... | ... | 26,427 |

The health of the animals imported was generally good.

There were fifteen cases under the Quarantine Rules and Prevention of Cruelty to Animals Act. The fines amounted to \$150. In one case a bullock was sold by auction as the owner failed to appear in obedience to a summons.

Major H. G. SIMPSON was in charge of the department throughout the year.

SURVEY DEPARTMENT.

| | | | | | |
|-------------|-----|-----|-----|-----|--------|
| | | | | | \$ |
| Revenue | ... | ... | ... | ... | 14,430 |
| Expenditure | ... | ... | ... | ... | 85,089 |

The number of application surveys was 173 as compared with 322 in 1920 and the number of sub-division surveys was 203 as against 559 in 1920.

Forty-nine town lots and forty country lots were re-surveyed.

Mr. R. L. BUCKWELL was in charge of the department throughout the year.

PUBLIC WORKS DEPARTMENT.

Penang and Dindings.

The total expenditure on all heads of service was \$905,153.

The following works costing \$2,000 and over were completed during the year :—

- (1) Indian Immigration Coolie Depôt at Sungei Pinang—Extension to Eating Shed.
- (2) Leper Asylum, Pulau Jerejak—Main Kitchens and Coolies' Quarters.
- (3) Police Station, Kwala Sungei Pinang, Balik Pulau—Reconstruction of, including site.
- (4) Prison—Extension of Bake-house and new oven and alterations to cooking place.
- (5) Quarantine Station, Pulau Jerejak—Quarters for two toties.
- (6) Quarantine Station, Pulau Jerejak—Servants and Police latrines converted to trench type.
- (7) Quarters and stations for Foresters at B. Ferringhi.
- (8) Land at Permatang Passir for padi cultivation, improvement of.
- (9) Leper Asylum, Female, Jelutong—Erection of a small ward.
- (10) Post Office—Erection of garage for three motor vans with quarters for drivers.
- (11) Quarantine Camp, Pulau Jerejak—Replacement of sides of wards with walls and reinforced concrete.
- (12) Reservoir of the Leper Asylum, Pulau Jerejak—Reconstruction of the floor and the enlargement of.
- (13) Vernacular School, Sungei Rusa, Balik Pulau—Enlargement of building new quarters at.
- (14) Additions and alterations to Bel Retiro on Penang Hill.

- (15) Lake Villa—Filling up the pond in the ground of.
- (16) Filling up the moat round Fort Cornwallis.
- (17) Quarters for Launch Engineer—Rebuilding of.
- (18) Forest Station at Segari (Lumut)—Erection of.
- (19) New pier at Lumut.

Progress was made with the following works costing \$2,000 and over :—

- (1) Cattle Quarantine Station—Replacing steel fence with corrugated iron sheetings on the north side.
- (2) Chief Medical Office—Strong room.
- (3) General Hospital—Additions and improvements to.
- (4) Lighthouse—Aga Light on Pulo Tikus.
- (5) Police Station, Hutton Lane—Two married quarters for Corporal and Lance-Corporal.
- (6) Police Station, Dato Kramat—Additional Barrack accommodation.
- (7) Post Office—Telephone Exchange.
- (8) Quarters for Light-keeper at Pulau Rimau—Extension of.
- (9) Vernacular School, Kelawai—Enlargement of.
- (10) New Police Station Barracks at Sungei Nibong.
- (11) Quarters for Clerks.
- (12) Land at Patani Road, Penang—Reclaiming of.
- (13) Hospital, Lumut—Rebuilding Dressers' Quarters.
- (14) Hospital, Lumut—Reconstruction of Mortuary.
- (15) Hospital, Lumut—Quarters for one Assistant Surgeon.
- (16) Hospital, Lumut—Female Ward.
- (17) Hospital Lumut—Quarters for one dresser.
- (18) Lighthouse, Tanjong Hantu—Retaining wall on north side of quarters and outhouses.
- (19) Rest-house at Lumut.
- (20) Quarters for Clerks at Lumut—Construction of five.

Bellevue Bungalow was occupied for 169 days as against 168 in 1920, Convalescent Bungalow for 77 days against 138 in 1920 and Fernhill Bungalow for 108 days against 92 in 1920.

Owing to the general depression labour was not difficult to obtain. Materials were much reduced in price.

Mr. C. G. MAY was in charge till 15th January when he retired. Mr. A. ROGERS relieved him, but went on furlough on 3rd July and was relieved by Captain H. M. S. HAUGHTON. Mr. F. T. KINDER took over from Captain HAUGHTON on 27th July and remained in charge till the end of the year.

Province Wellesley.

The total expenditure under all heads of service was \$1,023,233.

The following works costing \$2,000 and over were completed :—

- (1) Hospital, Bukit Mertajam—Quarters for one Dresser.
- (2) Police Station, Padang Manorah—New barracks and kitchens for two married men.
- (3) Police Station, Maklom—Re-roofing barracks and general repairs to station, etc.
- (4) Vernacular School, Tasek Junjong—Erection of Teacher's Quarters including purchase of site.
- (5) Vernacular School, Sungei Rambei—Erection of Teacher's Quarters including site.

- (6) Hospital, Butterworth—Erection of bathrooms, latrines, etc., for Quarantine Camp.
- (7) Police Station and Barracks, Pulau Kra—Rebuilding including purchase of site.
- (8) Quarters for one officer at Butterworth.
- (9) Quarters for two operators, Penaga Wireless Station—Erection of.
- (10) Reclamation of Crown Land at Butterworth.
- (11) Vernacular School—Erection of two Teachers' Quarters.
- (12) Retaining Wall, Permatang Bindahari.
- (13) Quarters for Public Works Department Overseer, Jawi.
- (14) Public Works Department Coolie lines, Sungei Kreh—Rebuilding of.
- (15) School and Teachers' Quarters at Bertam.
- (16) School at Sungei Acheh—Extension of.

Progress was made with the following works:—

- (1) Hospital, Butterworth—Operating Room.
- (2) Quarters for four Telephone Operators, Simpang Ampat—Erection of.
- (3) Quarters for an Assistant District Officer at Butterworth—Erection of.
- (4) Vernacular School at Goa Perahau—Erection of, including Teachers' Quarters.
- (5) Cattle Quarantine Station, Butterworth—New isolation shed, fencing and walls.
- (6) Bridge across Muda River.
- (7) New roads, Southern Division.
- (8) Improvement of Main Roads.
- (9) Water Supply, Prai and Butterworth.

The Bukit Serayah and Bukit Panchor reservoirs were maintained in good order. Most of the pipes required for augmenting the water supply to Prai and Butterworth have been delivered.

The labour supply was satisfactory. The cost of labour remained the same though materials had gone down appreciably in price during the year.

Under the scheme for the Improvement of Main Roads the following works were carried out:—

- (1) The reconstruction of the road from Kapala Batas to Dusun Lada was continued throughout the year, the length of road completed being 70 lines.
- (2) The road from Coffee Shop to Jalan Bahru was metalled for a distance of 60 lines.
- (3) The earthwork was completed for a distance of 100 lines of the road from Telok Ayer Tawar to Kapala Batas.
- (4) Land was acquired for the first length of improvement of the road from Butterworth to Permatang Pauh and clearing of the mangrove swamp in preparation for widening was commenced.
- (5) The approach road to the Bridge across the Muda River was metalled for a distance of eight lines.
- (6) Asphalting and tarring to the extent of six miles was carried out on Simpang Ampat, Butterworth to Penaga and Butterworth to Permatang Pauh roads.

The dangerous corner at Permatang Pauh was improved and 102 feet of retaining wall (13 feet high) was built at Permatang Bindahari.

The bridge across the Muda River was opened to traffic shortly after the close of the year.

Owing to the abnormal rise of the Muda River several breaches occurred in the bund, which were repaired. In several places water overflowed the bund. Fourteen miles of drainage channels were cleared and deepened. The Nibong Tebal pontoon bridge was maintained. Unfortunately the scheme for constructing a permanent bridge across the Nibong Tebal river has had to be postponed.

Mr. DAVSON was Assistant Engineer in charge of the department during the year with Mr. LAVENDER as Assistant Engineer, Province Wellesley North.

Speaking generally the roads in Penang Island are good. In Province Wellesley they are not so good and a great deal of reconstruction and widening is required before they can be considered satisfactory. The pontoon bridge at Nibong Tebal is at certain stages of the tide a serious hindrance to traffic and should be replaced by a permanent structure as soon as funds are available.

POLICE.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|---------|
| Revenue | ... | ... | ... | ... | 225,953 |
| Expenditure | ... | ... | ... | ... | 749,151 |

European Contingent.—The strength of the European Contingent was 22 Inspectors and 6 Probationary Inspectors, of whom 2 were on leave and one on special duties.

Sikh Contingent.—There was one dismissal, and two discharged (medically unfit).

Malay and Indian Contingent.—There were 14 dismissals, 6 resignations, 7 pensioned, 8 discharged (medically unfit), 6 died, 4 deserted and 2 bought their discharge.

Chinese Contingent.—There were 2 dismissals, and 4 resignations.

There were 8 cases of murder and 12 of robbery, gang robbery and daring robbery. Of the 8 murder cases, in one case accused was sentenced to penal servitude for life, in two cases, to 10 years' rigorous imprisonment, in 3 cases no arrests were made, in one case accused was sentenced to death but had appealed against the conviction and in one case the hearing was pending. Of the 12 robbery cases, in 4 cases accused were sentenced to imprisonment ranging from 3 to 8 years, besides 10 strokes in one case, in 5 cases no clue of accused could be traced, in 2 cases accused were sentenced to death in Kuala Lumpur, Federated Malay States, in murder cases before being tried here, and in one case accused was discharged.

Major A. R. J. DEWAR was in charge throughout the year.

Mr. C. B. WHITEHEAD was in charge of Province Wellesley from 1st January to the 13th March and from 18th December to the end of the year, having been on leave from 14th March to 17th December during which Mr. L. A. THOMAS was in charge.

PRISONS.

| | | | | | \$ | c. |
|-------------|-----|-----|-----|-----|-----------|----|
| Revenue | ... | ... | ... | ... | 830.92 | |
| Expenditure | ... | ... | ... | ... | 83,394.34 | |

The number of prisoners received into the Criminal Prison was 1,534 against 1,150 in 1920 and 1,228 in 1919. The daily average was 156.42 as against 147.66 in 1920 and 162.75 in 1919. The number of prison offences

was 106 against 177 in 1920 and 331 in 1919. In no case was the punishment of whipping ordered. There was one suicide. One short-sentence prisoner escaped but was subsequently arrested at Hongkong where he is undergoing a long sentence for forgery. There was no execution during the year.

The admissions to the lock-ups of the Settlement were:—

Under sentence 138, on remand 352.

The number of re-convictions was 370 as against 214 in 1920 and 311 in 1919.

The number of prisoners banished from Penang was 67 as compared with 44 in 1920 and 62 in 1919.

The number received into the Civil Prison was 1,533 as against 1,310 in 1920.

Out of the total of 1,533 received into the Criminal Prison 905 were Chinese and only 98 Malay.

The number of vagrants committed to the House of Detention was 341 and the number repatriated was 343.

Mr. G. A. SMITH was in charge until the 5th January when he was succeeded by Mr. R. SCOTT who was in charge for the rest of the year.

CHINESE PROTECTORATE.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|--------|
| Revenue | ... | ... | ... | ... | 21,568 |
| Expenditure | ... | ... | ... | ... | 32,011 |

The number of Chinese immigrants arriving in Penang was 24,607 as compared with 17,372 in 1920 and 11,144 in 1919, the increase being due to better rate of exchange, more favourable shipping facilities and to disturbed conditions in China.

The number of women immigrants was 4,729 as against 3,320 in 1920 and the number of children was 3,427 as against 2,869 in 1920.

There were 27 Native Passenger Lodging Houses licensed during the year, of which 22 were Chinese, 4 Japanese, and 1 Singhalese.

The number of women and girls admitted to the Po Leung Kuk Ward was 174 as against 150 in 1920. The cost of maintenance of the Ward was \$2,189. The Ward was visited regularly.

Eighteen Societies were registered and two exempted from registration.

Sixty-seven sick and aged Chinese were repatriated at a cost of \$1,137.

Towards the end of the year the Chinese community founded a Penang Labourers' Unemployment Home off Green Lane for the relief of the unemployed. The Home holds about 200 and has been full since its inception. It has rendered very considerable service up to the present in housing and providing for the unemployed with a consequent decrease in theft and other crimes.

The registration of schools took place from October, the figures for the year being schools 58, teachers 115 and Committee members 301.

Mr. J. L. McFALL was in charge of the department up to the 24th October when he was relieved by Mr. J. H. PEDLOW who remained in charge for the rest of the year.

INDIAN IMMIGRATION AND LABOUR DEPARTMENT.

The income of the Immigration Committee was \$3,027,681 and the expenditure was as follows:—

| | | | | \$ |
|---|-----|-----|-----|---------|
| Passages from India | ... | ... | ... | 213,400 |
| Recruiting allowances | ... | ... | ... | 87,087 |
| Quarantine expenses | ... | ... | ... | 67,201 |
| Train Depôt and embarkation charges in India | ... | | | 69,589 |
| Train and other fares to places of employment | ... | | | 28,925 |

The number of contributors to the Immigration Fund was 1,845 as against 2,170 in 1920.

The total number of immigrants arriving at Penang from Southern India was 45,673 as compared with 95,220 in 1920.

The assisted immigrants included 827 children under 10 years of age.

The number of Indians leaving the Colony for Southern India was 57,912 adults and 3,639 minors as against 53,154 adults and 2,327 minors in 1920.

The excess of emigrants over immigrants was 15,853 adults and 25 children. In 1920 the excess of immigrants over emigrants was 31,736 adults and 8,003 children.

The weekly service from Southern India under contract with the British India Steam Navigation Company, Limited, was maintained throughout the year. Fifty-two immigrant ships of which 49 were of the "T" Class and 3 of the "E" Class arrived during the year, as compared with 54 in 1920. Of the 52 ships, 6 were declared infected with small-pox and 1 with cerebro-spinal meningitis.

Five thousand nine hundred and seventy-seven adults and 1,583 minor decrepit and destitute Indians were repatriated during the year.

On Estates in Penang with an average population of 153, there were no deaths. In Province Wellesley the death-rate was 9.24 per mille and in the Dindings 4.10 per mille.

The number of visits of inspection paid by the officers of the department in Penang, Province Wellesley and the Dindings was 8, one visit being made to enquire into a complaint.

The quarantine expenses averaged \$3.86 a head for Penang and \$4.15 for Port Swettenham.

The assessment rate was \$2 for the first two quarters, \$1 for the third quarter and 50 cents for the fourth quarter for every 78 days' work.

Mr. H. G. R. LEONARD performed the duties of the Deputy Controller of Labour, Penang, until November 19th when he was succeeded by Mr. H. R. JOYNT. Mr. R. BOYD was First Assistant Controller of Labour throughout the year.

POST OFFICE.

| | | | | \$ |
|-------------|-----|-----|-----|---------|
| Revenue | ... | ... | ... | 349,852 |
| Expenditure | ... | ... | ... | 787,553 |

The number of postal articles (excluding parcels) posted in Penang for onward transmission was 2,389,461 as compared with 2,351,193 in 1920 and the number received from places outside the Colony for transmission to other countries was 614,649 as against 658,439 in 1920.

Of the articles posted in Penang 135,924 were registered and the articles delivered in Penang 143,098 were registered. The number of registered articles posted in Penang for onward transmission was 78,318 and the number received from abroad for onward transmission was 43,842.

The number of insured letters and parcels was 4,189 and the value \$1,036,441. The insurance fees collected amounted to \$1,588.

The number of articles bearing Trade charges posted was 2,857 as against 3,064 in 1920 and the number received for delivery 7,063 as compared with 5,079 in 1920. The Trade charges amounted to \$30,814 as against \$38,194 in 1920.

The parcels posted numbered 29,817, parcels delivered 36,108 and parcels received from other countries for onward transmission 24,662.

The total Money Order and Postal Order transactions amounted to \$1,879,757 as compared with \$2,362,448 in 1920.

The amount standing at the credit of depositors of Government Savings Bank on 31st December was \$329,445 as compared with \$331,495 in 1920. The number of depositors was 2,662 and the average balance at the credit of each depositor was \$123.

Telegrams.

The number of telegrams dealt with was 512,706 as compared with 587,053 in 1920. There were 175,599 paid telegrams, 6,178 official telegrams, 49,297 transit telegrams and 35,751 service telegrams forwarded and the number of telegrams received was 163,428 paid telegrams, 7,955 official telegrams, 41,243 transit telegrams and 33,255 service telegrams.

A circuit has been arranged by which the Municipal Clock Tower is given standard time daily.

Telephones.

One hundred and ninety-seven subscribers joined the Penang Exchange and 82 gave up their telephones. At the close of the year there were 841 subscribers and 140 Service lines. The total circuit mileage of these lines was 1,573 $\frac{7}{8}$ and the wire mileage 2,860 $\frac{3}{4}$.

The loss for the year was \$22,228 as compared with a profit of \$7,851 in 1920. This loss is attributed to an increase of \$40,000 in salaries.

A Wireless Service with Rangoon was initiated on the 15th June.

Messrs. W. H. THRELFALL and B. W. B. POWELL performed the duties of Assistant Postmaster-General and Divisional Engineer, Penang, respectively, throughout the year.

Mr. S. R. DRAYTON performed the duties of Engineer Operator, Wireless Station, Penaga, until the 22nd June when he went on leave, Mr. L. R. WATTS, Assistant Engineer Operator, doing Mr. DRAYTON's duties in addition to his own work.

EDUCATION DEPARTMENT.

The Inspector of Schools, Mr. H. T. CLARK, was in charge till the 4th May and Mr. J. WATSON from that date till the end of the year.

Of the appointments in the Government Schools provided in the Estimates all but 2 were filled.

The revenue was \$162,325 made up of School fees \$39,203 and Education Rate \$123,122.

The expenditure was \$628,435 but as this includes the repayment of an advance of \$120,620 made by the Treasury in 1920, the real expenditure may be put at \$507,815.

The net expenditure after deducting the revenue from Fees and Education Rate, etc., was as follows for the last six years:—

| | | | | | \$ | c. |
|------|-----|-----|-----|-----|---------|----|
| 1921 | ... | ... | ... | ... | 343,414 | 32 |
| 1920 | ... | ... | ... | ... | 294,153 | 84 |
| 1919 | ... | ... | ... | ... | 110,055 | 89 |
| 1918 | ... | ... | ... | ... | 139,810 | 63 |
| 1917 | ... | ... | ... | ... | 106,196 | 16 |
| 1916 | ... | ... | ... | ... | 107,394 | 70 |

Temporary allowances in addition to the above expenditure amounted to, 1921 \$69,277.96; 1920 \$108,387.32; 1919 \$34,050.47; 1918 \$11,971.45.

English Schools.

The average enrolment and attendance was 6,226 and 5,830 against 6,005 and 5,498 in 1920.

The number of English Schools in the Settlement at the end of 1921 was 14, 2 Government and 12 Aided ones. Three of the 14 were girls' schools, 1 being a Government one. Nine of the schools are on the Island of Penang of which 8 are in Georgetown and 1 at Balik Pulau, and the remaining 5 in Province Wellesley.

One school which was in existence in 1920, the Roman Catholic Anglo-Tamil School in Georgetown, was discontinued in 1921.

The Penang Free School, the St. Xavier's Institution (together with the branch school at Pulau Tikus), the Anglo-Chinese Schools in Penang, Bukit Mertajam and Nibong Tebal, and the Government Girls' School, the Convent and the Anglo-Chinese Girls' School were all efficiently managed; the Anglo-Chinese School at Dato Kramat and the Roman Catholic Mission School at Balik Pulau were lower in standard and at the bottom of the list must be put the S. P. G. Schools at Butterworth, Prai and Bukit Tengah.

There can be no doubt that the new grant-in-aid system has already resulted in an improvement in the staffs of the Aided Schools; a number of weak and ill-qualified teachers have been eliminated and replaced by others holding higher certificates; a year or two's working of the system should show a very decided improvement in the teaching in most schools.

One of the classes in the Free School was composed of boys who had joined at the beginning of the year from Malay Schools after passing Standard IV in the Vernacular. In one year this class advanced so far that the boys in it were able to take the examination set at the end of the year to all boys in the Second Standard and succeeded in capturing the first half-dozen or so of places.

Foreign children (*i.e.*, children from Sumatra, Kedah, Perak, Siam, etc.) attending Penang Schools numbered as follows:—

| | | | | | | |
|------|-----|-----|-----|-----|-----|-----|
| 1919 | ... | ... | ... | ... | ... | 254 |
| 1920 | ... | ... | ... | ... | ... | 230 |
| 1921 | ... | ... | ... | ... | ... | 228 |

No "foreign" child is admitted into a Penang School unless with the approval of the Inspector of Schools who makes special enquiry into the circumstances.

The accommodation in Penang Schools was still insufficient. To meet the shortage the ground-floor of the Chinese Town Hall was taken over by the Free School on July 1st and its acquisition enabled that School to admit another 200 pupils. It was unfortunately not found possible to proceed with the scheme for the erection of an elementary school at Perak Road and of a secondary school at Green Lane.

The net average Government expenditure on each pupil in average attendance at schools under Government supervision was:—

| | | | | | \$ | c. |
|------|-----|-----|-----|-----|-----|-------|
| 1921 | ... | ... | ... | ... | ... | 17 44 |
| 1920 | ... | ... | ... | ... | ... | 13 17 |
| 1919 | ... | ... | ... | ... | ... | 9 98 |
| 1918 | ... | ... | ... | ... | ... | 11 48 |

Secondary Classes.—The following table gives the average attendances in the Secondary Classes in those schools in which such classes were held:—

| | | | 1920. | 1921. |
|-----------------------------|----------------|-----|-------|-------|
| Penang Free School | ... | ... | 114 | 123 |
| St. Xavier's Institution | ... | ... | 139 | 137 |
| Anglo-Chinese School | ... | ... | 87 | 133 |
| | Boys | ... | 340 | 393 |
| Government Girls' School | ... | ... | 15 | 17 |
| Convent | ... | ... | 16 | 20 |
| Anglo-Chinese Girls' School | ... | ... | 10 | 16 |
| | Girls | ... | 41 | 53 |
| | Boys and Girls | ... | 381 | 446 |

The total average enrolment in 1921 was 473 as against 404 in 1920.

The following table shows the numbers of entries from the various schools for the 1921 Cambridge University Local Examinations:—

| | | For Junior Certificates. | For Senior Certificates. | For Supple- mentary Certificates. | Total. |
|-----------------------------|-----|-----------------------------|-----------------------------|---|--------|
| Penang Free School | ... | 68 | 46 | 1 | 115 |
| St. Xavier's Institution | ... | 74 | 54 | ... | 128 |
| Anglo-Chinese School | ... | 96 | 36 | ... | 132 |
| Government Girls' School | ... | 15 | ... | ... | 15 |
| Convent | ... | 15 | 4 | ... | 19 |
| Anglo-Chinese Girls' School | ... | 14 | ... | ... | 14 |
| Other Candidates | ... | 5 | 9 | 3 | 17 |
| Totals | ... | 287 | 149 | 4 | 440 |

The number of entries in 1920 was 400. The results of the 1921 examination are not yet out.

In 1920, 245 school pupils entered for the Junior examination and 128 passed; 134 entered for the Senior examination and 88 passed.

Two Matriculation examinations of the Hongkong University were held in Penang in 1921. In June 9 candidates presented themselves and 7 passed; 3 of the candidates were from the Free School, 4 from St. Xavier's Institution and 2 from the Ipoh Anglo-Chinese School, and of these 2, 4 and 1 respectively passed. In December 5 candidates presented themselves, 2 from the Free School and 3 from the St. Xavier's Institution; all passed. The Colonial Chaplain is the Local Secretary for these examinations.

A London University Matriculation Examination was held in June. Ten candidates sat and of these 1 passed in the first division and 3 in the second.

An Intermediate Arts Examination of the London University was held in July. Five candidates sat the examination and of these 3 passed, one being a teacher in the Anglo-Chinese School and the other two from the Federated Malay States.

A London Chamber of Commerce Examination was held at the beginning of December. Eleven candidates took Junior Book-keeping, 4 Junior Shorthand, 1 Senior Type-writing, 10 Senior Book-keeping and 3 Senior Shorthand; of the last 3, 2 sat for the Teachers' Diploma in addition. One of the shorthand candidates was a member of the Government Evening Commercial Class. The results of the examination have not yet been received.

A Pitman's Shorthand Examination which was held in December is mentioned in the report on the Evening Shorthand Class.

Two ladies very kindly undertook the inspection of the needle-work done in the three girls' schools and reported favourably on it.

Normal Classes.—The 1920-1921 session commenced on 2nd October, 1920 and ended with the examination in the middle of September, 1921.

The First Year classes had an average attendance of 41 up to May, 1921, when on the result of the Half-yearly Examination 6 students were dismissed. Thirty-three students sat the examination in September; 9 failed completely and 4 partially. Of the failures 4 had passed the Standard VII Examination only; the others were holders of Junior or Senior Cambridge Local Certificates.

The Second Year classes had an attendance of 18 students up to March when 1 student left; another left on transfer in May. Sixteen candidates sat the Second Year Examination and 8 passed. Of the failures 3 had passed the Standard VII Examination only; the others were holders of Senior Cambridge Local Certificates. The Senior Instructor remarks that the disparity of the students in qualifications made teaching in both classes rather difficult but that with the admission of only holders of Cambridge Junior or Senior Certificates the difficulty will in future to a large extent disappear.

Two girls were undergoing training at the Government Girls' School training class but were still in the middle of their course at the end of the year.

Evening Classes.—Money was voted in the Estimates to provide evening classes in elementary and advanced book-keeping and shorthand, and also, for teachers particularly, in elementary art, class singing and practical geography. Advertisement produced only two teachers both willing and qualified to take any of the subjects mentioned. The courses consisted of 30 lessons.

The students who attended the shorthand classes, 22 men and 3 women in the elementary class and 10 men and 1 woman in the advanced one, were, with the exception of the women and one schoolboy, clerks employed in local offices. Twelve men and 3 women saw the elementary course through and 6 men the advanced one. One student sat the London Chamber of Commerce Examination, 8 took Pitman's Elementary Examination (speed 50 words per minute) and 4 took the advanced one (speeds 80, 90 and 100 words per minute). The results of these examinations have not yet been received.

General.

In all schools physical training is carried out and in the large boys' and girls' schools a good deal of attention is paid to it. The results are gratifying. In the Free School every master is expected to and does interest himself in the games indulged in by his form. Mr. MALMQUIST of the Anglo-Chinese School conducts open-air classes in which half of the School takes part at a

time, and similar classes are taken in the St. Xavier's Institution. Physical exercises are also regularly carried out by the girls in the Government Girls' School and the Convent.

Lieut.-Colonel WHYTE, Adjutant, Penang, inspected the cadets of the Free School on November 10th, of the St. Xavier's Institution on November 21st and of the Anglo-Chinese School on December 6th and his reports indicate that the three corps are in a very satisfactory state. He recommends that more musketry practice be given. The number of cadets in the Free School Corps was 136, in the St. Xavier's Corps 100 and in the Anglo-Chinese Corps 60.

Col. WHYTE at the same time inspected the Boy Scout Troops of the three schools and his reports on them were similar to those on the Cadets. There were 104 scouts and 64 cubs in the Free School, 100 Scouts in the St. Xavier's Institution and 37 in the Anglo-Chinese School.

The Girl Guides number 68 with an additional 7 officers. In addition there are stationed in Penang a Division Commissioner, a District Commissioner and a District Secretary. There is a Company belonging to the Government Girls' School, another to the Anglo-Chinese Girls' School and a third composed of girls who have left school.

Girls.

The average enrolment and attendance were 1,368 and 1,256, against 1,429 and 1,277 for 1920. The percentage of attendance was 94 against 92. Forty-eight candidates sat for the Cambridge Local Examination against 43 in 1920. The results are not yet known.

Malay Schools.

The number of Malay boys' schools in 1921 was 76, one less than in 1920, the Lumut school having been closed. Malay girls' schools numbered 18, two more than in 1920. The enrolment and attendance were for boys 6,417 and 5,502, the percentage of attendance being 86, against 5,704 and 4,918 and a percentage of attendance of 87 in 1920. For girls' schools the enrolment and attendance were 718 and 602, the percentage of attendance being 84, the figures for 1920 being 639 and 517 and the percentage of attendance 89.

An examination of candidates for scholarships at English schools was held in November and 10 scholarships were awarded, the privilege of exemption from fees being accorded to a further 10 boys. Drill and physical exercises were taught regularly and inter-school sports were encouraged. In 32 schools basketry was taught and as a rule the work was good. Malay Dressers visited the schools and 2,755 boys and 170 girls received treatment. The expenditure on Malay schools was \$127,647.

Tamil Schools.

There were five of these schools with an enrolment of 268 and attendance of 221.

Chinese Schools.

There was only one Chinese school under the supervision of the department, that run by the Roman Catholic Mission at Balik Pulau. This school was examined by the Assistant Protector of Chinese, Mr. PEDLOW, who reported that the work being done was quite satisfactory. The average enrolment was 59 and the average attendance 56. The grant earned was \$484.50.

General.

No agricultural education was given in any of the Penang schools. Very few of the school sites are sufficiently large to permit of the formation of school gardens but where there is ground the subject will be taken up as soon as the Agricultural Department supplies the promised help.

Practically all schools sent in their registration forms under the Registration of Schools Ordinance.

As regards the medical inspection of schools generally, 113 schools were visited and 7,801 pupils examined. Treatment was carried out as far as possible with the means available. In many cases a hospital or dispensary is within reach and in outlying schools children were treated after examination and drugs were given to the teachers who were instructed how treatment was to be continued. The Chief Medical Officer considers that the greatest want in treatment is an eye specialist and dentist, 874 children being found to have some form of abnormality of vision and 930 to be suffering from bad teeth.

TRADE RETURNS.

The annual returns of Imports and Exports for 1921, excluding inter-port trade, give the total value of imports as \$105,649,903 and of exports as \$82,492,765.

HARBOUR DEPARTMENT.

The total revenue collected was \$22,723, as against \$22,635 in 1920.

The number of merchant vessels entered and cleared at the port was 3,641 as against 3,852 in 1920, the tonnage being 6,367,132 as against 6,149,835 in 1920. Of these 2,815 with a tonnage of 4,769,644 were British.

The number of all vessels entered and cleared was 14,941.

Thirteen steamers and five sailing vessels remained on the register on 31st December.

Captain D. C. MACINTYRE was in charge up to 14th August when he was relieved by Lieut.-Commander C. A. PEAL who remained in charge till the end of the year.

SURVEYOR OF SHIPS' OFFICE.

The total revenue collected was \$8,630.

Mr. W. MELLOR was in charge of the department up to the 20th June when Mr. G. HERON took over from him and remained till the end of the year.

GOVERNMENT MONOPOLIES DEPARTMENT.

The duty on liquors amounted to \$743,250 as against \$817,333 in 1920. The Government Distillery at Sungei Pinang paid \$1,200 a month as rent.

The toddy farming system yielded \$226,447 as against \$265,582 in 1920.

The duty on tobacco was \$484,096 as compared with \$409,477 in 1920.

Eighty licences to import tobacco and thirty-nine licences to manufacture tobacco were issued, the stamp fees realised being \$13,263.

The number of prosecutions was, chandu 74, liquors 50, tobacco 7 and deleterious drugs 2.

Three hundred and forty-six thousand three hundred and ninety-two tahils of chandu were sold and the revenue amounted to \$4,156,715. Seventy thousand seven hundred and seventy-three dollars was charged against opium revenue for chandu dross purchased. The price at which chandu was sold to retailers remained at \$12 per tahl.

Mr. B. S. WALTON was in charge of the department throughout the year.

MUHAMMADAN AND HINDU ENDOWMENTS BOARD.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|---------|
| Revenue | ... | ... | ... | ... | 175,006 |
| Expenditure | ... | ... | ... | ... | 168,571 |

The balance of the Board's Funds carried over to 1922 is \$30,151.

Twenty-six Muhammadan boys are being educated at the Free School and six at the Anglo-Chinese School from the funds of the Captain Kling Mosque.

Five meetings were held during the year.

Mr. J. W. W. HUGHES succeeded Mr. S. CODRINGTON as Secretary in October and was then appointed as member in addition. Mr. CODRINGTON was also appointed a member. Mr. P. SIMPSON was President of the Board.

WATERFALL GARDENS.

| | | | | | \$ |
|-------------|-----|-----|-----|-----|--------|
| Revenue | ... | ... | ... | ... | 1,590 |
| Expenditure | ... | ... | ... | ... | 11,599 |

Mr. F. FLIPPANCE came from Singapore on 3rd September and took over executive charge of the department. Before this the Field Assistant, MD. HANIFF, was in charge.

RURAL BOARDS.

Penang.

| | | | 1921. | 1920. |
|-------------|-----|-----|---------|---------|
| | | | — | — |
| | | | \$ | \$ |
| Revenue | ... | ... | 57,823 | 77,009 |
| Expenditure | ... | ... | 166,586 | 156,510 |

The Government contribution was \$138,295 as against \$98,070 in 1920.

The Education rate realised a sum of \$6,066 as against \$10,673 in 1920.

The decrease in revenue was principally due to non-collection of rubber assessment.

Two meetings of the Board were held during the year. Owing to expected shortage of revenue the Board postponed all concrete drain construction and the purchase of galvanised iron tanks, thus saving about \$22,000.

Two fires occurred and the damage caused was \$550 as estimated by the Police.

Mr. S. CODRINGTON was Chairman of the Board till the 10th October when Mr. J. W. W. HUGHES relieved him and remained till the end of the year.

Province Wellesley.

| | | | 1921. | 1920. |
|-------------|-----|-----|---------|---------|
| | | | — | — |
| | | | \$ | \$ |
| Revenue | ... | ... | 195,507 | 360,123 |
| Expenditure | ... | ... | 700,059 | 504,297 |

The great decrease in revenue was due to non-collection of rubber assessment, also to large refunds of assessment overpaid in 1920.

The increase in expenditure was due to increased cost of materials and certain large but necessary schemes decided on before the general depression set in.

The Government contribution was \$450,000 as against \$90,000 in 1920. The balance from the preceding year was \$60,000.

There were five meetings of the Board during the year.

Mr. C. H. G. CLARKE was Chairman of the Board up to the 10th January, when Mr. G. A. SMITH relieved him and remained till the end of the year.

Dindings.

| | | | 1921. | 1920. |
|-------------|-----|-----|--------|--------|
| | | | — | — |
| | | | \$ | \$ |
| Revenue | ... | ... | 10,485 | 36,233 |
| Expenditure | ... | ... | 78,681 | 56,633 |

The heavy fall of revenue is due to non-collection of rubber assessment.

The education rate was \$1,223 as against \$8,017 in 1920.

The Government contribution was \$67,997 of which \$60,677 was utilised. In 1920 it was \$18,363.

GENERAL.

His Excellency the Governor visited Penang twice, viz., in August and December, 1921. He remained till January, 1922. On 14th January, 1922, he presented the Distinguished Flying Cross to Lieut. ROGER ADDISON, M.C.

G. A. HALL,
Resident Councillor, Penang.

RESIDENT COUNCILLOR'S OFFICE,
PENANG, 19th April, 1922. [No. 3434/22.]

BOTANICAL GARDENS, STRAITS SETTLEMENTS.

The following gave their valuable services upon the Committees for the Management of the Gardens:—

Gardens Committee, Singapore: Mr. D. BEATTY (to January 22nd), Mr. P. CUNLIFFE (to May 11th), the Hon'ble Mr. V. GIBBONS (from February 9th), Mr. W. G. HENNINGS (to September 12th), Mr. J. G. HUBBACK (to April 10th), the Hon'ble Dr. LIM BOON KENG (to September 2nd), the Hon'ble Mr. J. H. W. PARK (from June 28th), Sir JOHN C. PETER (from June 28th), the Hon'ble Mr. F. J. PIGOTT (to March 25th), Mr. J. W. SIME (from June 28th), Mr. W. A. SIMS (from June 28th), and Mr. E. C. H. WOLFF.

Committee for the Management of the Waterfall Gardens, Penang: the Hon'ble the Resident Councillor (Mr. G. A. HALL), Mr. LAWRIE C. BROWN, Mr. J. D. FETTES, Captain H. M. S. HAUGHTON (to September 19th), Mr. F. T. KINDER (from September 19th), Dr. P. LISTON, Mr. HASTINGS RHODES, and Mr. C. R. SAMUEL (from September 29th).

The Director of Gardens is *ex-officio* upon both committees.

Labour.

Labour was plentiful. The coolies' wages were reduced in Singapore from 70 cents per diem to 55; and the wages of gardeners were reduced also. The reductions were recognised by the men as inevitable, and did not cause any serious break in the labour force.

As the budget estimates for the year had been prepared upon a high wage, the reduction made it possible to employ additional men who were used for the work of deepening the Lake and for filling the two ponds below it. In the Government House Domain the surplus funds lapsed.

In Penang wages were reduced by two cuts to 55 cents. The money there freed, enabled the work of restoring the Fern-Rockery to be prosecuted.

Revenue and Expenditure.

The revenue in Singapore was \$2,572.93 by ornamental plants, and \$464.63 by economic plants: out-of-pocket expenses caused by the sales and recovered, amounted to \$825.26, making \$3,862.82. The amount paid into the Treasury in Penang was \$1,067.17, being \$929.20 by the sale of plants and \$137.97 by recoveries.

Buildings.

The Department in the first quarter of the year entered into possession of the new building containing the Director's office, library and laboratory.

Investigations and Collections.

Living collections.—The Department's thanks to the following donors are here recorded:—Drs. P. S. CRAMER, F. W. FOXWORTHY, H. J. GIBBS, and LIM BOON KENG; Professors HARRISON SMITH and J. F. ROCK; the Hon'ble Mr. J. MITCHELL; Mrs. ANTHONY, Mrs. BURKILL, Mrs. FLIPPANCE;

Messrs. ABDUL KADIR, AHMED BIN HASSAN, LAWRIE C. BROWN, P. L. CHAFANJON, A. DE VILLELE, ST. V. B. DOWN, DAVID FAIRCHILD, G. FARMER, W. P. HANDOVER, A. MONTEFIORE, G. P. OWEN, B. K. SAHEB, and C. L. WRAGGE; the Royal Botanic Gardens, Kew, the Botanic Gardens, Brisbane, Buitenzorg, Port Darwin, the Seychelles and Trinidad; the Departments of Agriculture, Bombay, British North Borneo, Egypt and the United States of America; the Chief Conservator of Forests, Nyasaland; the Deputy Conservator of Forests, Lakhimpur, Assam; the Forest Ranger, Larut; and the firm of MM ANDRIEUX-VILMORIN et Cie.

Living plants were brought into the collections from Selangor by the Director and by Mr. BEST; from Penang Hill by Mr. FLIPPANCE; from Lankawi and Terutau by Mr. MAHOMED HANIFF and from Sibolangit, Sumatra, by the plant-collector MAHOMED NUR, working under Dr. FOXWORTHY and Mr. LOERZING.

The entries in the "Plants-inwards" books were 1,141 in Singapore, relating to 1,471 plants and 1,191 packets of seed, 160 in Penang, relating to 1,801 plants and 149 packets of seed.

The Gardens played a part in the introduction into cultivation of the anti-leprosy plants, *Gynocardia odorata*, *Taraktogenos Kurzii* and *Hydnocarpus* spp., raising plants from the seed which the Department of Agriculture, U. S. A., collected by the agency of Professor ROCK. Professor ROCK proceeded through Siam, Burma and Assam in the quest of the seed; and that the result of his labours might not be lost through the death of the seed in transit, he selected a few Gardens as recipients, one being Singapore's. The seedlings were easily raised, thanks to Professor ROCK's care in collecting seed, and are now well established. The writer some years ago with the assistance of Dr. D. HOOPER was also able to show that seeds of *Gynocardia odorata* only come into the market dead, and the oil rancid, because the seed is so carelessly collected.

The Jardin Colonial of Laeken supplied seed of Congo coffees, and of Congo Elæis. The Department of Agriculture, Ceylon, supplied some excellent races of the sweet potato. The Department of Agriculture, U. S. A., gave seed of Avocado pears of repute. By exchange excellent samples of some Burmese orchids were got from the Botanic Garden, Maymyo. The Conservator of Forests, Nyasaland, was so good as to supply seed of the Mlanji Cedar, *Widdringtonia Whytei*.

This interesting and desirable Conifer has not succeeded in Singapore; but there is a seedling alive in the Waterfall Gardens, Penang, which Garden as regards Conifers shows a more suitable climate than Singapore; so that *Cupressus glauca* grows well in it, whereas it has been lost from the Singapore Gardens; and *Pinus Merkusii* planted in it has reached twenty feet in height, whereas it has stopped growing in Singapore at five feet.

Casuarina sumatrana gave a welcome supply of seed in Singapore, and has been reproduced.

A gratifying success in Singapore has been with *Caryocar nuciferum*, of which the first seedling now exists. *Caryocar villosum* is growing well in Singapore.

Pests.—Pests were very troublesome in Singapore towards the end of the year, when there was an outbreak of the palm beetle *Protocerus colossus*, accompanied by some abundance of *Rhynchophorus ferrugineus* and *Oryctes rhinoceros*. It is thought that the unusual dry weather in July favoured them. The following palms were attacked by the *Protocerus*,—*Archontophoenix Alexandrae*, *Attalea Cohune*, *Chrysalidocarpus lutescens*, *Cyrtostachys Lakka*, *Elæis guineensis*, *Licuala horrida* and *L. Rumphii*, *Livistona Hoogendorpii* and *L. Kingiana*, *Phoenix humilis* var. *Ræbelinii* and *Sabal princeps*. At the same time *Rhynchophorus ferrugineus* was found in *Phoenix dactylifera*, *P. zeylanica* and *Livistona chinensis*; and larvæ of one or of the other, but too immature for certainty, were extracted from the stems of *Orania regalis* and *Stevensonia grandis*.

The attack was got under in a couple of months by handpicking.

It is *Oryctes rhinoceros* which makes the tunnels into palms that *Rhynchophorus ferrugineus* uses for egg-laying; and it seems probable that the same happens with *Protocerus colossus*. Several years ago Mr. RIDLEY recorded that the Rhinoceros beetle can mature in rich humus; in the course of suppressing the attacks described, an instance of this was found. Mr. RIDLEY upon another occasion remarked that palms in the Gardens died slowly some short time after an unusual spell of dry weather; is it not possible that the dying then was due also to an outbreak of *Protocerus colossus*?

Orchid beetles were troublesome. A caterpillar probably of the genus *Zeuzera* was extracted from the branches of a wild *Litsea* and from the branches of the Avocado pear. *Papilio polytes* did some damage to *Citrus* trees in February.

The Gardens' only plant of *Warczewiczia* suffers considerably from the attack of an insect which damages the foliage; it was observed that while the lake was half empty the attack abated.

Dry collections.—Herbarium specimens were gratefully received from the Bureau of Science, Manila (1138), from Mrs. and Miss BURKILL (140 Sumatran plants), the Botanic Gardens, Buitenzorg (324), the Botanic Gardens, Brisbane (100), the British Museum of Natural History (82 plants of New Guinea), Professor OAKES AMES, Cambridge, Mass., (72), the National Herbarium, Pretoria (14 fungi) and Dr. WEIR, Washington, U. S. A. (18 fungi). Photographs of plants were generously given by Mr. E. GATTEY. Mr. W. MAKEPEACE, Professor J. F. ROCK and Mr. E. H. WILSON, and drawings by Miss A. M. BURKILL.

Herbarium specimens were sent out as follows:—

| | | | |
|--|-----|-----|-------------------|
| to the Royal Botanic Gardens, Kew | ... | ... | 641 |
| to the Bureau of Science, Manila | ... | ... | 551 |
| to the Botanic Garden, Buitenzorg | ... | ... | 450 |
| to the Forest Research Officer, Kuala Lumpur | ... | ... | 100 |
| to the British Museum of Natural History | ... | ... | 98 |
| to Harvard University, Cambridge, Mass. | ... | ... | 75 |
| to the University of California | ... | ... | 64 |
| to the University of Cambridge | ... | ... | 60 |
| to the Arnold Arboretum | ... | ... | 50 |
| to the Botanic Gardens, Brisbane | ... | ... | 45 |
| and for the favour of determination to Prince ROLAND BONAPARTE, 33 ferns, to Mr. H. N. DIXON, 30 mosses, to Mr. G. C. LLOYD, 8 fungi, to Professor C. F. BAKER, 3 coccids, and to Miss G. LISTER, 1 myxomycete | ... | ... | 75 |
| | | | <hr/> 2,209 <hr/> |

Botanic Gardens, Singapore.

A vote of \$700 had been taken for a slight cleaning away of silt at the the upper end of the lake when the Anti-mosquito Committee, as a preliminary to work which they wished done on the ponds in the adjoining Tyersal grounds, approached the Gardens Committee on the subject of the lakes and ponds in the Gardens. The result was an undertaking on the part of the Gardens Committee to fill the Nelumbium and Limnanthemum ponds at the foot of the lake with the silt to be got from the Gardens' Lake, and a recommendation that the Cluny Lake should be filled also. With a reduction in coolies' wages in sight, the Gardens Committee saw the possibility of accomplishing the filling of the ponds by means of savings on the Gardens' labour bill, and that at the same time a much more effective deepening of the lake could be brought about than the small vote of \$700 promised. Meanwhile the Municipality was able to come to an agreement with the State of Johore, as landlord of Tyersal, for the draining of the Tyersal ponds; and as it was desirable to await operations there before beginning in the Gardens, and also to get wages down, a commencement was postponed until June 1st: but from that date to the end of the year the Gardens lake was kept only half filled, while

a special gang of coolies dug the accumulated mud of fifty years from the shallower parts of the lake-bed. The *Nelumbium* pond was soon filled; but the lake did not supply filling enough for more than two-thirds of the *Limnanthemum* pond.

Upon the inflow from the Tyersal ponds to the Gardens lake two pools existed in the Dell. The level of their waters was above the bed of the Tyersal ponds, and they were kept filled only because the sluice from the Tyersal ponds had been allowed to get out of order, the water escaping instead through the masonry above it. It was conceded that the Gardens had no right to the accidental head of water which made the feeding of the pools possible; and consequently alterations in the Dell became necessary upon the draining of the Tyersal ponds. To maintain the Dell, therefore, the two pools were lowered and dug into one, and connected with the inflow and with the lake by 2 feet culverts admitting fish freely; the sides were concreted; and the coral banks, now higher and steeper, were rebuilt. This made the dell-pools to such an extent a part of the lake as to be in no way a source of mosquitoes. The spoil from this work also went into the *Limnanthemum* pond.

At the foot of the Lake Niven's 5 feet high escape channel towards Holland Road was blocked up, and the small escape channel towards Napier Road was doubled and provided with an overflow pipe, dropping below the escape channels so as to carry away all the water. In doing this work the surface of an old roadway was discovered 18 inches under ground, leading towards the junction of Napier and Holland Roads. That roadway, which must have been closed in 1866, is not on any existing map of the Gardens.

The sides of the islet were steepened; the *Wormias* on it were cut out, and *Randia macrantha* and *Bougainvillæa* planted in their place. The latter however will not grow there.

It is of passing interest to remark that the following weeds came up on the exposed mud, and reached flowering in 65 days,—*Jussiaea fissendrocarpa*, *Vandellia crustacea*, *Euphorbia aspera* and *Panicum indicum*; and that these sedges and grasses reached flowering in 80 days,—*Eleusine indica*, *Paspalum conjugatum*, *Paspalum platycaule*, *Ischamum Ridleyi*, *Cyperus Haspan*, *C. Irya*, *C. umbellatus*, *Kyllingia monocephala*, and *Fimbristylis æstivalis*. *Panicum indicum* showed the phenomenon of vivipary. There stands on the bank of the lake a tree of *Albizzia moluccana*, and the half of its seeds fall into the water: many of them germinated on the exposed bank at the south end of the lake, to which they had been floated; and it was most interesting to find that in the soil which had been for years submerged they produced the nitrogenous tubercles of the Leguminosæ. On the bank above them *Desmodium triflorum* of the same order existed, and became more vigorous as the subsoil below it became drier.

Borassus Machadonis flowered in June near the Plant-house.

Four large trees were lost by storms, and the big *Pterocarpus indica* on Lawn E died of Angsana disease. The disease still remains obscure.

The number of ornamental plants sent out from the Gardens was 16,481 and the packets of seed 773.

By the kindness of the officers, the band and the drums of the South Staffordshire Regiment played four times a month in the Gardens, the cost being met by the Municipal Commission.

Economic Garden, Singapore.

No tapping was done: there was an application for a lease of the rubber trees which was refused. All attempts to graft the selected rubber trees failed, partly in consequence of flooding, and partly from unknown causes. The attempt to graft will be renewed at a place away from the area liable to flooding.

Theobroma pentagona fruited. It is poor-yielding cacao. The Brazil-nut trees which are oldest bore abundantly.

The plantains imported from Manila began to fruit, proving our best races also theirs.

Experiments with garden vegetables were continued, particularly with lettuces. Carrots grew unexpectedly well.

The Government's decision to build the Raffles Memorial College in the Economic Garden overlies everything connected with it. The attempt is being made to propagate in any possible way the good plants that are in it; and an application has been made for permission to transfer them to a new site.

Of economic plants 1,532 were sent out in 1921 and of seed 202 packets.

Waterfall Gardens, Penang.

Mention has been made above of the cut in wages which enabled extra labour to be employed; it permitted the employment of about eight men beyond the average of previous years, with the help of a small sum transferred from a Singapore vote. The work of four of these men went into the restoration of the Fern-Rockery, and of three into better mowing. The amount of sweeping was increased towards the end of the year.

The Fern-Rockery is now again well on the way to becoming the beauty spot that it was.

At the top of the Swimming-bath gully a rustic bridge has been built and rockeries made at the ends of it with flowering plants on them. Additional flower-beds have been dug around the Bandstand hill. The nursery was partially overhauled; and shrubs were planted on the big bank over the entrance gate.

The lower roads were coated with Tarco. Many of the old Pandans were removed from the upper part of the Gardens. The Eucalypts perish one by one, and another was lost. The hill-top where the bungalow once stood, was partially cleared and vistas cut towards the Waterfall and towards the island of Pulau Jerejak.

Xylopia Curtisii flowered in the Gardens, and so did *Hydrangea Hortensia*.

The Municipal Commissioners in November consented to let, at a nominal rental, to the Gardens the block of land at the Gardens' gate whereon was the Vegetable Farm. As soon as possible it will be brought into a tidy condition, the better to preserve the amœnities of the place. The part near the road will be planted with ornamental shrubs; and the part at the back used as a nursery.

The cataloguing of the plants in the Gardens is in progress, Mr. HANIFF being responsible for numbering the trees and for collecting material for the purpose of determination or authentication.

There were sent out 2,626 plants and 163 packets of seed, which is a slight increase on 1920, but less than in the years before.

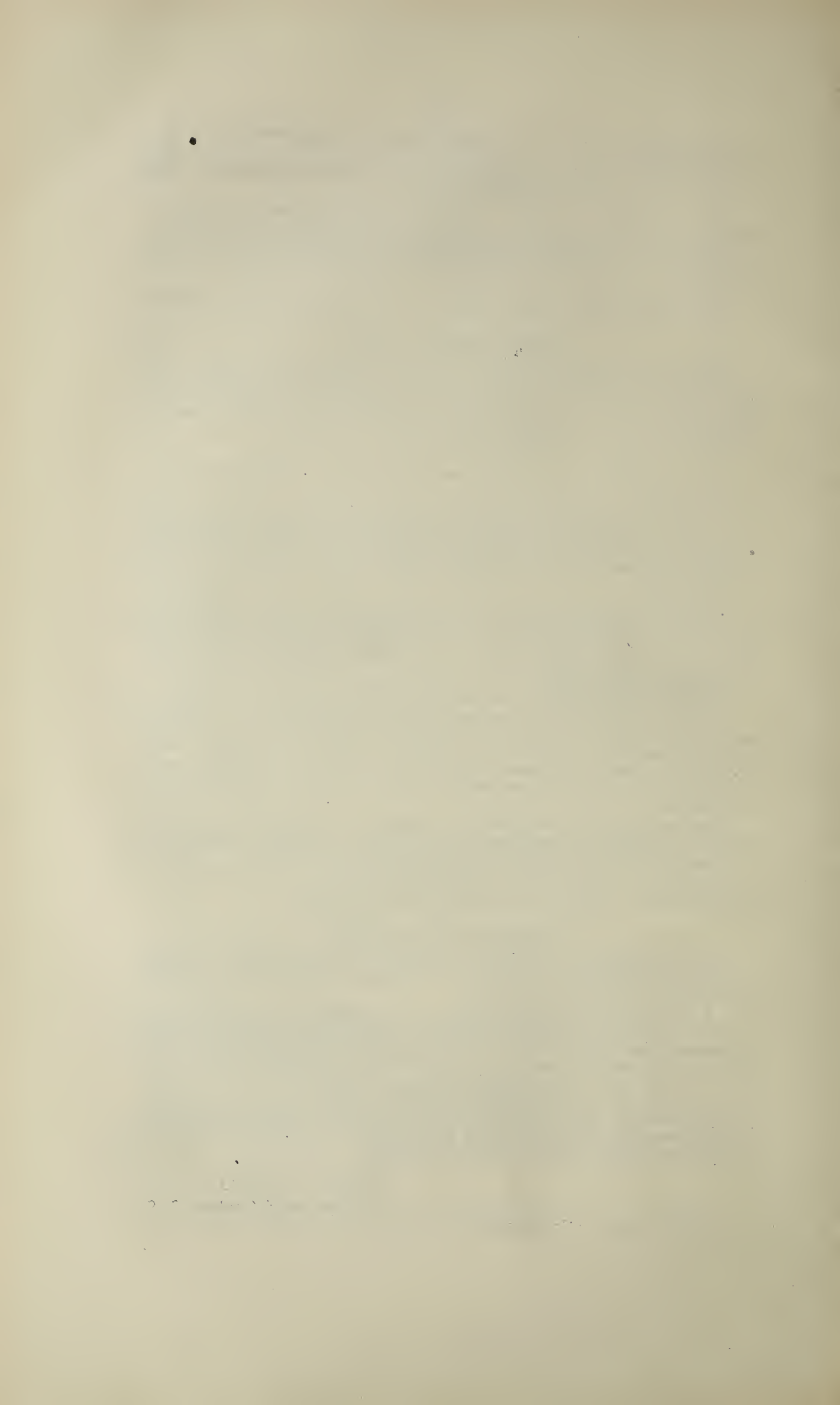
Government House Domain.

After trying in vain all sorts of expedients to stop trespass over the grass in the Domain, a watchman was engaged in October. It will be necessary to retain him permanently.

A motor mower was put into use; but it cannot yet be regarded as a success. The rubber plantation within the Domain towards the Municipal Filter-beds was removed, and many trees of *Poinciana regia* planted among the remaining tembusu trees. The golf course was diverted towards that side, and the area brought into a better condition. New beds were dug on the upper lawns, and filled with Cannas. Several trees were removed having grown too big for their places, and some were lost by storms, notably in the south-west corner by Kramat Road, where it is necessary to raise up a fresh screen against certain very ugly buildings.

I. HENRY BURKILL,
Director of Gardens, S. S.

6th July, 1922. [No. 5495/22.]



REPORT ON THE STRAITS SETTLEMENTS POLICE FORCE AND ON THE STATE OF CRIME.

OFFICE OF INSPECTOR-GENERAL OF POLICE,
SINGAPORE, 27th April, 1922

SIR,—I have the honour to submit my report on the Police Force of the Colony and on the state of crime in the Colony for the year 1921.

Strength.

2. On the 31st December, 1921, the authorised strength and actual strength of the Force, and the distribution of the same was as set out hereunder:—

| | Singapore and Christmas Island. | | Penang, Province Wellesley and the Dindings. | | Malacca. | | Labuan. | | Totals. | |
|---------------------------------------|---------------------------------|---------|--|---------|-------------|---------|-------------|---------|-------------|---------|
| RANKS AND NATIONALITIES. | Authorised. | Actual. | Authorised. | Actual. | Authorised. | Actual. | Authorised. | Actual. | Authorised. | Actual. |
| EUROPEANS. | | | | | | | | | | |
| Inspector-General ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Superintendents ... | 2 | 2 | 1 | 1 | 1 | 1 | ... | ... | 4 | 4 |
| Assistant Superintendents ... | 9 | 5 | 4 | 2 | 1 | ... | ... | ... | 14 | 7 |
| Probationer Officers ... | 6 | 8 | ... | 2 | ... | ... | ... | ... | 6 | 10 |
| Chief Inspectors ... | 3 | 2 | 3 | 4 | 2 | 2 | 1 | 1 | 9 | 9 |
| Inspectors ... | 33 | 32 | 26 | 24 | 6 | 6 | ... | ... | 65 | 62 |
| Armourer ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Drill Instructor ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Inspector, Weights and Measures | 1 | ... | 1 | 1 | ... | ... | ... | ... | 2 | 1 |
| SIKH CONTINGENT. | | | | | | | | | | |
| Subedar ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Jemedar ... | ... | ... | 1 | 1 | ... | ... | ... | ... | 1 | 1 |
| Sergeants-Major ... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 |
| Sergeants ... | 5 | 5 | 4 | 4 | 1 | 1 | 1 | ... | 11 | 10 |
| Corporals ... | 19 | 18 | 8 | 8 | 2 | 2 | 1 | 1 | 30 | 29 |
| Lance-Corporals ... | 25 | 26 | 15 | 14 | 2 | 2 | 3 | 3 | 45 | 45 |
| Constables ... | 229 | 214 | 102 | 102 | 30 | 28 | 15 | 15 | 376 | 350 |
| MALAY & INDIAN CONTINGENT. | | | | | | | | | | |
| Sub-Inspectors ... | 10 | 10 | 10 | 10 | 4 | 3 | ... | ... | 24 | 23 |
| Sergeants-Major ... | 4 | 4 | 5 | 5 | 3 | 3 | ... | ... | 12 | 12 |
| Sergeants ... | 24 | 18 | 19 | 18 | 8 | 7 | 1 | 1 | 52 | 44 |
| Corporals ... | 73 | 58 | 46 | 45 | 33 | 28 | 1 | 1 | 153 | 132 |
| Lance-Corporals ... | 97 | 67 | 64 | 63 | 13 | 14 | 2 | 2 | 176 | 146 |
| Constables ... | 1,041 | 910 | 705 | 696 | 270 | 269 | 24 | 24 | 2,040 | 1,899 |
| <i>Carried forward</i> ... | 1,586 | 1,384 | 1,015 | 1,001 | 377 | 367 | 50 | 49 | 3,028 | 2,801 |

| RANKS AND NATIONALITIES. | Singapore and Christmas Island. | | Penang, Province Wellesley and the Dindings. | | Malacca. | | Labuan. | | Totals. | |
|----------------------------|---------------------------------|---------|--|---------|-------------|---------|-------------|---------|-------------|---------|
| | Authorised. | Actual. | Authorised. | Actual. | Authorised. | Actual. | Authorised. | Actual. | Authorised. | Actual. |
| <i>Brought forward</i> ... | 1,586 | 1 384 | 1,015 | 1,001 | 377 | 367 | 50 | 49 | 3,028 | 2,801 |
| EURASIANS. | | | | | | | | | | |
| Sub-Inspectors ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Constables ... | 2 | 2 | ... | ... | ... | ... | ... | ... | 2 | 2 |
| DETECTIVES. | | | | | | | | | | |
| Special Grade ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... | 3 | 3 |
| Grades I-V ... | 96 | 108 | 59 | 58 | 23 | 22 | 1 | 1 | 179 | 189 |
| Total all ranks ... | 1,687 | 1,497 | 1,075 | 1,060 | 400 | 389 | 51 | 50 | 3,213 | 2,996 |
| Wanting to complete ... | ... | 190 | ... | 15 | ... | 11 | ... | 1 | ... | 217 |

3. From the above table it will be seen that the force was 217 under strength on 31st December, 1921.

4. In addition to the regular police there are a number of additional constables employed for special duties by various Government departments such as the Medical Department, private firms, and the Harbour Boards of Singapore and Penang. These numbered on 31st December, 1921, 4 Inspectors, and 331 other ranks, distributed as follows:—

Singapore, 4 Inspectors and 265 other ranks.

Penang 55 „

Malacca 11 „

331

5. The Civil Guard has now ceased to exist, the Ordinance XII, 1915 which called it into existence having been repealed, as well as the sections of the Police Force Ordinance which provided for a Police Reserve.

6. It was thought that the Police Reserve might compete with and adversely affect the recruiting for the new Volunteer Force.

7. I was directed by the Government to thank the members of the Civil Guard for their valuable services, and have done so, so far as I have been able to get into contact with the late members, who are now however pretty well scattered.

8. The authorised strength of the Police Force was increased during the year by 268 of all ranks in Singapore, 14 in Penang, 29 in Malacca, while Brunei was separated from Labuan, the former State running its own Police Force, making the total authorised strength for Labuan alone 51.

9. Attached to the Police Department are the various officers, clerks, artisans, etc., as recorded below:—

Official Censors of Cinematograph Films 2, Financial Assistants 2, Clerks of all grades 54, Interpreters 27, Shroffs 2, Store-keepers 3, Teachers 6, Magazine keeper 1, Artificers (Armoury and Weights and Measures) 8, Chauffeurs 2, Engineers 8, Magazine employees 10, Tailors 4, Shoemakers 3, Notice servers 4, Cooks (Depôt) 2, Office keepers 2, Clock repairer 1, Peons 55, Punkah-pullers 7, Toties 50, Water carriers 17; or a total of 278 not enrolled under the Police Force Ordinance.

Inspections.

10. A section of the Singapore Police had the honour of being inspected by His Excellency Sir LAURENCE NUNNS GUILLEMARD in the People's Park on 21st January, 1921, and a company of Police also, for the first time, took part in the parade of troops in honour of His Majesty's Birthday. Their appearance created favourable comment.

11. I inspected the Police Forces of Labuan and Brunei in July, and Penang and Malacca in November and August, respectively. The Labuan Police were in addition inspected by the Residents, Messrs. CATOR and ELEY.

Personnel.

12. *Singapore*.—I returned from furlough on 16th April and resumed command of the force from Mr. HANNIGAN who had been acting during my absence and who went on furlough on 23rd April.

13. Mr. GRIFFIN who had been acting as Chief Police Officer went on furlough on 1st April and Mr. SAVI, Director of Criminal Intelligence, then assumed the duties of Chief Police Officer till the end of the year.

14. Mr. ONRAET acted as Director of Criminal Intelligence, a Department which is growing in usefulness as its duties extend.

15. Mr. DICKINSON was Adjutant of Police during the whole year.

16. Mr. HAMILTON, Assistant Superintendent of Police, was seconded for service under the Kedah Government on 13th April. Mr. LINDON proceeded to Christmas Island as District Officer where he remains at the end of the year, and Mr. CHEERS is seconded for service in Trengganu.

17. Three probationer officers joined the Force on 16th January and 18th and 23rd December, namely Messrs. HARVEY, MALLARD and ALEXANDER.

18. *Penang*.—Major DEWAR was in charge during the whole year, and Mr. THOMAS in charge of Province Wellesley from 13th March to 18th December, during the absence on furlough of Mr. WHITEHEAD.

19. *Malacca*.—Major BOWER was in charge of this Settlement till, on proceeding on furlough on 18th October, he was relieved by Mr. HARMER.

20. *Labuan*.—Mr. MACAFEE relieved Chief Inspector MAXN in September.

21. All gazetted and superior police officers with few exceptions have carried out their duties in a very creditable manner in spite of the increasing difficulties which police work in this country is encountering, and I think that it may not be out of place if I here say that the keeping of 69 books, as has been alleged recently in a newspaper, is not one of the disabilities which interferes with an Inspector's police duties. As a matter of fact the list of books kept in English at a divisional police station is given as 33 when we include "books" such as requisition forms for stores, files of orders, circulars, bail books, and forms of various kinds. Besides his own diary the only book an Inspector of Police has practically to keep is the Divisional Report Book, a single line entry for each report, which should not occupy ten minutes of his time daily.

Detectives.

22. The past year has been a very trying one for the Detective Department generally throughout the whole Colony. Lack of employment led to an increase in the crime of gang-robbery, and crimes of violence also increased. Singapore especially suffered by the influx from all adjacent countries of men, perhaps at first in search of work, failing which, ready to turn their hand to any means of getting money.

23. In Singapore the department was under the charge of Chief Detective Inspector COSTELLO, a most energetic and fearless officer who on more than one occasion has gained encomiums from the bench for his conduct of cases and detective ability.

24. I am glad to be able to state that HIS MAJESTY THE KING has been pleased to grant to him and to Detective Police Constables No. 75 SEAH BUN Soo, and No. 11 LEE SING CHEONG the King's Police Medal for bravery in arresting armed gang-robbers under fire on 7th July, 1921.

25. Other winners of the honour of the King's Police Medal, not in the Detective Department, are P. C. 395 AHMAT BIN HASSAN of the Singapore Police who at risk to himself rescued from drowning a Chinese on 6th July, 1920, and Sikh Police Constable No. 10 SANTA SINGH of Penang, who also rescued from drowning a Chinese woman and child on 29th September, 1920.

26. In Penang the department was under three different officers during the year, namely Inspector MILLER and Chief Inspectors MCAFEE and MANN.

27. Similarly Inspector MEREDITH and Chief Inspector NOLAN had charge of the Malacca branch.

28. The detective branch, such as it is, has accomplished exceedingly good work, but it is not yet what a Colony of this importance should be content with.

29. Plans for its reorganisation and expansion under the Director of Criminal Intelligence have been ready for some years, but cannot be given effect to till more prosperous times provide the money which the initial expense of a suitable building to accommodate it requires.

Marine Police.

30. *Singapore.*—A commencement was made with the scheme for the better policing of Singapore Harbour, but it will not come into force in its entirety till 1922. The first motor was not a success. The provision in 1922 will permit of a further experiment being made in this direction, and it is hoped that a cheap, satisfactory type of launch will be turned out to meet the special requirements of the harbour.

31. In the meantime the patrols are carried on by means of 6 row-boats, three sampans, one steam, and one motor-launch.

32. The Singapore river traffic gave a lot of trouble during the year. It seems almost impossible to devise any scheme to solve this difficult problem short of closing the river to craft exceeding a certain length or draft. The difficulty consists in the variety and number of unwieldy craft, far in excess of the space available, which seek its shelter. Did the space remain constant this might be overcome, but the rise and fall of the tides complicate the situation by providing at low water only a narrow navigable channel, and at high water the headway under the bridges does not permit of the passage of some of the larger craft.

33. The Singapore Marine Police arrested 583 cases in 1921 against 528 in 1920.

34. Thirty-two bodies were recovered from the sea and the Singapore River.

35. The patrolling of the harbour is carried out in Penang by means of 3 row-boats and four sampans, and in Malacca the river is patrolled by two boats, but the volume of work in neither port approaches that in Singapore.

Recruiting.

36. As was naturally to be expected, the new rates of pay advocated by the Asiatic Police Salaries Committee, and which are now in force, have made recruiting for the Force brisker than it has been for many years. The only exception to the above being the Sikh Contingent for which we still find some difficulty in getting suitable recruits.

37. The large numbers of local recruits offering, permitted of Chief Police Officers rejecting inferior material which in former years we should have been obliged to accept, and this should have a beneficial effect on the Force in time. Resignations fell from 201 in 1920 to 67 in 1921 and desertions

from 53 to 32, which shows a more contented spirit prevailing. The excessive annual wastage has hitherto been one of the chief causes of inefficiency, and if this can only be reduced permanently to reasonable proportions something will have been gained.

38. In all 661 men were recruited in 1921 against 422 in 1920, and these men were better physically and educationally.

39. The very large number of recruits enrolled in Singapore necessitated a greater amount of supervision being provided, and Mr. FOULGER (Police Probationer) was placed in charge of the more advanced squad. He succeeded in creating an interest in their work amongst the recruits which was of a very encouraging nature.

40. Progress has been made in the preparation of a Jawi edition of the Criminal Procedure Code which is now in the hands of the Printer. Other translations are in preparation.

Health.

41. *Singapore*.—The Police Surgeon now has charge only of those stations within Municipal limits, those outside being under the charge of the Medical Officer in charge of Rural Sanitary Divisions, an arrangement which saves time and is in every way more satisfactory.

42. The number of out-patients dealt with at the Central Station decreased from 6,167 to 5,606.

43. Venereal cases practically doubled, being 130 against 70 in 1920. This is probably due to the fact that every encouragement was given to men to declare themselves infected instead of trying to conceal their sickness.

44. Notifiable diseases were, Measles (11), Chicken-pox (3), Small-pox (6, one death), Mumps (3), Diphtheria (3) and Phthisis (2); in all 28 cases against 5 in 1920.

45. Admissions to hospital were 1,067 against 821 in 1920.

46. *Penang*.—Out-patients numbered 677 against 1,241 in 1920 and admissions to hospital 648 against 704.

47. *Malacca*.—In out-patients this Settlement also shows a great reduction, 192 only as against 474 in 1920.

48. Admissions to hospital were 333. In 1920 there were 351 admissions.

49. The Chief Police Officer reports there was practically no venereal disease present. The most common cause of ill-health being in order, Pyrexia (41), Malarial Fever (31), Scabies (31), Ulcers (25), Bronchitis (23), Pharyngitis (20).

50. *Labuan*.—Admission to hospital numbered 94 against 51, by far the larger portion of the patients suffering from malaria.

Drill and Musketry.

51. *Singapore*.—Drill facilities here are poor, consequently after the recruit has been turned over to a Division he quickly loses his smartness in this respect. The drill should be better. The musketry course had to be abandoned after 35 per cent of the authorised strength had been exercised owing to the range at Balestier Road being condemned as unsafe.

52. It is unlikely that a new range will be ready for use much before the middle of 1922.

53. *Penang*.—In Penang the drill is better, and while 70.5 per cent of the Sikh Contingent fired the full course of musketry, the Malay and Indian Contingent only carried out a modified course. This was necessary owing to the shortage of stocks of Snider ammunition, and the necessity of keeping a reserve. It is not intended to order more as it has to be specially manufactured, is very expensive, and the Snider armament of the Police being practically worn out, will shortly be scrapped.

54. *Malacca*.—The whole of the Sikh Contingent were fully exercised in musketry, and only 52 per cent of the Malays, for the same reason as above, namely shortage of Snider ammunition.

Buildings.

55. *Singapore*.—Practically the whole of the building plans for 1921 had to be abandoned. We are short of accommodation for Inspectors and Non-Commissioned Officers and men, and many of the buildings are in a very bad state of repair. The only new building completed was quarters for the Chief Inspector below Pearl's Hill.

56. *Penang*.—Here also the building programme was heavily cut. A new police station was however completed at Segari in the Dindings. The accommodation at Ara Kuda and Padang Manorah Stations was increased by two rooms, and the quarters at Sungei Pinang rebuilt. Proper accommodation for Inspectors is urgently required but is involved in the old question of the demolition of Fort Cornwallis.

57. *Malacca*.—A new police station was completed and occupied at Tebong. New barrack rooms were finished at Alor Gajah as well as quarters for a Sub-inspector. Quarters for an Inspector were built at Merlimau. The barracks at Jasin were increased by accommodation for three men, and the barracks at Batu Berendam were rebuilt.

58. All other construction was stopped.

59. The police buildings programme in the near future is bound to be a very large one.

Telephones.

60. In Singapore in the latter part of the year there was a great improvement in the telephone service, which is now as good as can be desired. The chief drawback from the European public's point of view is that we are not able to supply an English-speaking constable or clerk to be on hand all the time at all the 53 telephones to answer the apparently increasing number of persons whose Malay vocabulary is limited. One new telephone was added to the police lines, namely Holland Road Hut.

61. Penang reports as usual the unsatisfactory nature of the telephone there, to which there was one addition in the Dindings, the new station at Segari.

62. Malacca reports an improvement. The Central Police Station exchange has been abolished and Malacca town circuits transferred to the Public Exchange. Various other circuits are in course of installation, and shortly most of the Malacca Police Stations will be in direct communication with public exchanges.

63. The only station unprovided with a telephone is Tebong.

Clothing and Accoutrements.

64. The cost of all supplies now seems on the down grade, and the quality generally is quite good. An exception is in all species of brushes, which moreover are very inferior to the pre-war article.

65. Supplies of khaki drill were very late in arrival, consequently the men were not so well turned out as they should be. This is, however, being rapidly remedied.

Arms and Ammunition.

66. A new pattern of carbine has been decided upon to re-arm the Malay and Indian Contingent who will then discard the old Snider carbine, than which, for police purposes, it would be hard to find a better weapon. These latter, however, which must be from 50-60 years old, are quite worn out, and the ammunition which has to be specially manufactured is very costly.

67. The new armament is expected to arrive early in 1922.

Police Vehicles.

68. The Government vehicles in possession of the Department are as follows:—

| | Motor Vans. | Hand Ambulances. | Dead Carts. | Bicycles. | Bk. Carts. |
|---------------|-------------|------------------|-------------|-----------|------------|
| Singapore ... | 3 | 4 | 6 | 84 | ... |
| Penang ... | ... | 3 | 3 | 34 | ... |
| Malacca ... | ... | 3 | ... | 31 | 2 |
| Labuan ... | ... | 1 | 1 | 1 | ... |
| Total ... | 3 | 11 | 10 | 150 | 2 |

69. The number of persons conveyed to hospitals by the police during the year was 2,054 compared with 1,881 in 1920.

| | Accidents. | Other Causes. | Total. |
|---------------|------------|---------------|--------|
| Singapore ... | 379 | 981 | 1,360 |
| Penang ... | 120 | 560 | 680 |
| Malacca ... | 3 | 11 | 14 |
| Labuan ... | ... | ... | ... |
| Total ... | 502 | 1,552 | 2,054 |

Financial.

70. Messrs. J. J. PEREIRA and GAN KEAN HOON filled the office of Financial Assistants of Police in Singapore and Penang respectively, and Mr. SOH CHENG BUN, Chief Clerk in Malacca, did the work in that Settlement.

71. The volume of work increases each year and 1921 brought a further increase in the preparation of the many additional pay-sheets for new salaries and allowances.

Reward Fund.

72. The payments into this Fund during the year amounted to \$9,680.82 from all sources, and \$7,727.91 was paid out in rewards.

73. There was on 31st December, 1921, a sum of \$39,116.15 standing to the credit of the Fund made up as under.

| | \$ | c. |
|--|----------|----|
| 74. In hands of Colonial Treasurer ... | 11,998 | 76 |
| Indian Government 5% War Loan ... | 20,617 | 39 |
| Municipal Loans ... | 6,500 | 00 |
| Total ... | \$39,116 | 15 |

Weights and Measures.

75. I regret to have to record the death of Inspector FLANAGAN, Inspector in charge of the Singapore branch of the Weights and Measures Department, a post which he had occupied for many years. His knowledge and experience of local customs was invaluable.

76. The department during the year tested 38,479 instruments for weighing or measuring against 36,317 in 1920. Nine thousand seven hundred and seventy-one of these were found inaccurate and were either corrected or confiscated and destroyed.

77. There were 121 prosecutions for breaches of the Ordinance (Weights and Measures) with 117 convictions, and fines were inflicted amounting to \$1,203.

78. Fees collected totalled \$5,578.80 against \$7,265.45 in 1920.

Arms and Explosives.

79. The number and description of the arms licensed and the fees collected during the twelve months ending 30th June, 1921, are as set out below:—

| SETTLEMENT. | Guns. | Rifles. | Revolvers. | Pistols. | Air Guns. | FEES. | | Arms surrendered and confiscated. | Arms destroyed. | Arms sold. | Licensed to deal in arms. | Licensed to store explosives in shops or magazines. | Licensed to store explosives in quarries. | Licence to manufacture gunpowder for quarry use. |
|------------------|-------|---------|------------|----------|-----------|----------------------|-------------|-----------------------------------|-----------------|------------|---------------------------|---|---|--|
| | | | | | | Arms and Ammunition. | Explosives. | | | | | | | |
| | | | | | | \$ | \$ | | | | | | | |
| Singapore | 1,459 | 634 | 574 | 357 | 344 | 14,560 95 | 4,467 50 | 162 | 108 | 22 | 5 | 7 | 5 | ... |
| Penang | 1,731 | 297 | 290 | 199 | 230 | 8,663 45 | 2,112 25 | 33 | 22 | 2 | 3 | 7 | 31 | 7 |
| Malacca | 1,979 | 124 | 128 | 81 | 17 | 6,547 50 | 125 15 | 38 | ... | ... | 3 | 6 | ... | ... |
| Labuan | 55 | 33 | 7 | ... | 3 | 166 75 | 37 65 | 1 | ... | ... | ... | ... | ... | ... |
| Christmas Island | ... | 6 | 1 | 1 | ... | 35 65 | 00 25 | ... | ... | ... | ... | ... | ... | ... |
| Total, 1921 | 5,224 | 1,094 | 1,000 | 638 | 594 | 29,974 30 | 6,742 80 | 234 | 130 | 24 | 11 | 20 | 36 | 7 |
| Total, 1920 | 4,760 | 943 | 803 | 592 | 354 | 27,008 45 | 5,805 10 | 179 | 111 | 27 | 11 | 27 | 46 | 8 |
| Increase | 464 | 151 | 197 | 46 | 240 | 2,965 85 | 937 70 | 55 | 19 | ... | ... | ... | ... | ... |
| Decrease | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 7 | 10 | 1 |

Gambling.

80. There is little doubt that there is a great deal of gambling going on in Singapore amongst all classes of Chinese and especially amongst the better class in private houses, with which the police find it difficult to cope.

81. I doubt if matters in Penang are much better, but in Malacca the gambling craze is not so evident as in the other Settlements.

82. One thousand five hundred and thirty fewer persons were arrested for offences under the Common Gaming Houses Ordinance, and \$14,453 less collected in fines, the 1921 figures for which were 5,459 persons and \$38,089.56 respectively.

83. One thousand and twenty-four search warrants were issued.

Quarantine.

84. There were no heavy demands on the police for this form of duty in 1921.

Traffic.

85. In Singapore, Mr. SHEEDY continued in charge of the Traffic Branch during the year. Inspector BERGE retired in October and his place was taken by Inspector PORTER.

86. Owing to the activity in recruiting we were able to increase the number of constables in the branch and there is no doubt that the general regulation of traffic has considerably improved.

87. It is hoped to still further augment the numbers, and already we have had to add another Inspector to the Traffic staff.

88. Both Penang and Malacca have started special staffs for dealing with traffic, and the traffic in both places has improved as a consequence, but already it is clear that the staff in, at any rate, Penang, will have to be strengthened.

89. Still more might be done in the judicious placing of "islands" at important crossings.

90. Fourteen fewer persons were killed in street accidents during the year and 23 fewer injured, as is shown below:—

| SETTLEMENT. | | Motor Vehicles. | | Trams. | | Horse or Bullock-drawn Vehicles. | | Other Vehicles. | | Total. | Total. |
|-------------|-----|-----------------|----------|---------|----------|----------------------------------|----------|-----------------|----------|---------|----------|
| | | Killed. | Injured. | Killed. | Injured. | Killed. | Injured. | Killed. | Injured. | Killed. | Injured. |
| Singapore | ... | 23 | 206 | 3 | 5 | ... | ... | ... | 3 | 26 | 214 |
| Penang | ... | 6 | 62 | ... | 15 | ... | 6 | 1 | 10 | 7 | 93 |
| Malacca | ... | 1 | 13 | ... | .. | 1 | ... | 2 | 1 | 4 | 14 |
| Labuan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total, 1921 | ... | 30 | 281 | 3 | 20 | 1 | 6 | 3 | 14 | 37 | 321 |
| Total, 1920 | ... | 42 | 314 | 3 | 6 | 3 | 6 | 3 | 18 | 51 | 344 |
| Decrease | ... | 12 | 33 | ... | ... | 2 | ... | ... | 4 | 14 | 23 |
| Increase | ... | ... | ... | ... | 14 | ... | ... | ... | ... | ... | ... |

91. The number of registered vehicles other than motor vehicles is shown in the following table, and it will be seen that 'rikishas increased by 2,031, probably due to the number of men seeking any kind of work:—

| SETTLEMENT. | Jinrikishas. | Hackney Carriages. | Hand Carts. | Cattle Carts. |
|------------------|--------------|--------------------|-------------|---------------|
| Singapore | 9,702 | 747 | 2,646 | 3,366 |
| Penang | 3,874 | 353 | 2,628 | 2,207 |
| Malacca | 1,031 | 157 | 159 | 2,371 |
| Labuan | ... | 5 | ... | 23 |
| Total, 1921 ... | 14,607 | 1,262 | 5,433 | 7,967 |
| Total, 1920 ... | 12,576 | 962 | 4,989 | 7,443 |
| Increase ... | 2,031 | 300 | 444 | 524 |

92. A glance at the table underneath shows that motor vehicles of all kinds increased by 708 in 1921.

| SETTLEMENT. | Cars. | Cycles. | Commercial Vehicles. | Drivers licensed. | Drivers licences cancelled, suspended or endorsed. |
|------------------|-------|---------|----------------------|-------------------|--|
| Singapore | 3,909 | 878 | 611 | 6,094 | 239 |
| Penang | 1,342 | 486 | 109 | 1,999 | 38 |
| Malacca | 809 | 134 | 42 | 1,011 | 17 |
| Labuan | 2 | ... | ... | 2 | ... |
| Total, 1921 ... | 6,062 | 1,498 | 762 | 9,106 | 294 |
| Total, 1920 ... | 5,682 | 1,322 | 610 | 9,853 | 455 |
| Increase ... | 380 | 176 | 152 | ... | ... |
| Decrease ... | ... | ... | ... | 747 | 161 |

93.

Animals Destroyed.

| SETTLEMENT. | Dogs. | Pigs. | Crocodiles. |
|------------------|-------|-------|-------------|
| Singapore | 380 | 63 | ... |
| Penang | 1,778 | 68 | ... |
| Malacca | 918 | ... | 1 |
| Labuan | 94 | ... | 2 |
| Total, 1921 ... | 3,170 | 131 | 3 |
| Total, 1920 ... | 1,738 | 29 | 2 |
| Increase ... | 1,432 | 102 | 1 |

94.

Pounds.

| Settlement. | Number of Pounds. | ANIMALS IMPOUNDED. | | | | | Fees Collected. |
|-----------------|-------------------|--------------------|---------|--------|-------|----------|-----------------|
| | | Horses & Ponies. | Cattle. | Goats. | Pigs. | Donkeys. | |
| Singapore ... | 19 | 288 | 1,179 | 961 | ... | ... | \$ 5,074 00 |
| Penang ... | 34 | 44 | 614 | 574 | ... | ... | 2,434 00 |
| Malacca ... | 28 | 9 | 1,131 | 531 | ... | ... | 3,943 00 |
| Labuan ... | 1 | 4 | 24 | 1 | ... | ... | 81 00 |
| Total, 1921 ... | 82 | 345 | 2,948 | 2,067 | ... | ... | 11,532 00 |
| Total, 1920 ... | 73 | 278 | 3,816 | 1,683 | ... | ... | 11,883 85 |
| Increase ... | 9 | 67 | ... | 384 | ... | ... | ... |
| Decrease ... | ... | ... | 868 | ... | ... | ... | 351 85 |

Cinematograph.

95. Captain T. M. HUSSEY is assisted by Mr. W. H. LAMB in the censoring of films, the total revenue from which in 1921 amounted to \$13,325 or \$7,351 less than in 1920.

96. The number of films viewed was 1,075 representing a "footage" of 2,665,000. Only 24 films were banned by the Censor, and an appeal was made in each case to the Board of Appeal. The Board released nine of the 24 films from the Censor's bann.

97. Two appeals were also lodged against the Censor's decision in prohibiting 4 posters and a photograph block, the Appeal Board eventually passing two of the posters and the photograph block for advertising purposes.

98.

Police Supervision.

| — | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|---|------------|---------|----------|---------|--------|
| Reporting in Settlement where sentenced ... | 11 | 4 | 2 | ... | 17 |
| Reporting in another Settlement ... | ... | 1 | ... | ... | 1 |
| Living in Federated Malay States ... | 2 | 1 | ... | ... | 3 |
| Living in other countries ... | 20 | ... | ... | ... | 20 |
| In prison ... | 8 | 6 | ... | ... | 14 |
| Missing ... | 15 | 4 | 1 | ... | 20 |
| Total on 31/12/1921 ... | 56 | 16 | 3 | ... | 75 |
| Total on 31/12/1920 ... | 27 | 25 | 6 | ... | 58 |

99.

Register of Criminals.

| | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|-----------------------------------|------------|---------|----------|---------|--------|
| Under observation ... | 29 | 23 | 9 | ... | 61 |
| In prison ... | 2 | 4 | ... | 1 | 7 |
| Left the Colony ... | 19 | 14 | ... | ... | 33 |
| Missing ... | 10 | 15 | ... | ... | 25 |
| Transferred to Police Supervision | 2 | ... | ... | ... | 2 |
| Released from observation ... | 52 | 6 | 2 | ... | 60 |
| Total ... | 114 | 62 | 11 | 1 | 188 |

Banishment.

100. Three hundred and sixty aliens were banished from the Colony during the year.

Criminal Registry, Kuala Lumpur.

101. The number of registrations effected as regards the Colony alone in 1921 was 3,677 first offenders and 1,522 recidivists.

102. In all 10,167 criminal enquiries were addressed from the Colony to the Registry, and of these 1,985 or 18·54 per cent were by this means identified as having been previously convicted.

103. Of the 46 returned banishees identified, 24 were arrested in the Colony—20 in Singapore, and 2 each in Penang and Malacca.

104. In addition enquiries were addressed to the Registry regarding applicants for Government service. Of 2,957 such enquiries 111 were found to have criminal records. Of 3,406 applicants for motor drivers' licences, 180 were found to have records. The prints of 1,275 deceased persons were also received at the Registry and 70 identifications resulted.

105. Mr. E. E. A. BECK was in charge of the Registry from 1st January, 1921, to 14th April, 1921, and from 21st December, 1921, to the end of the year. During the interim Messrs. KEMP and LAWES were in charge.

Secret Societies.

106. In Singapore especially, Secret Societies have been very active, and there have been many fights. The worst offenders are the SIN GHI HIN, and towards the end of the year many arrests have been made.

107. There are also a number of societies in Penang, but they did not give much trouble, except the Malay Red Flag and White Flag Societies in the Relau and Balik Pulau Districts who fought each other towards the end of the year when several arrests were made.

108. In none of the other Settlements has there been trouble except in Christmas Island where some Northern Chinese banded together. They were effectively dealt with however, the head man not being permitted to return after he had completed a month's imprisonment in Singapore Gaol.

Legislation.

109. There was little legislation affecting the Police during 1921. Part IV however of Ordinance 20, 1920, sections 30 to 40 which provided for the formation of a Police Reserve were repealed as also was the Reserve Force and Civil Guard Ordinance (XII, 1915). It was feared that recruiting for the proposed force might clash with that for the new Volunteer Force.

110.

Summons issued at the instance of Police.

| SETTLEMENT. | | | | 1921. | 1920. | Increase. | Decrease. |
|-------------|-----|-----|-----|--------|--------|-----------|-----------|
| Singapore | ... | ... | ... | 7,903 | 5,380 | 2,523 | ... |
| Penang | ... | ... | ... | 1,787 | 2,019 | ... | 232 |
| Malacca | ... | ... | ... | 3,005 | 3,186 | ... | 181 |
| Labuan | ... | ... | ... | 6 | 24 | ... | 18 |
| Total | | | | 12,701 | 10,609 | Net 2,092 | |

111. The large increase in Singapore is chiefly due to the activity of the Traffic Branch, there being no less than 3,504 summons issued for breaches of the Traction Engines and Motor Cars Ordinance against 873 only in 1920. The remainder were chiefly under the Minor Offences Ordinance.

Criminal Statistics.

112. Cases arrested:—

| SETTLEMENT. | | | 1917. | 1918. | 1919. | 1920. | 1921. | Increase over 1920. |
|-------------|-----|-----|--------|--------|--------|--------|--------|---------------------|
| Singapore | ... | ... | 9,587 | 12,420 | 10,817 | 11,978 | 12,175 | 197 |
| Penang | ... | ... | 4,624 | 4,684 | 4,739 | 4,247 | 4,788 | 541 |
| Malacca | ... | ... | 1,906 | 1,906 | 2,128 | 2,059 | 2,332 | 273 |
| Labuan | ... | ... | 77 | 77 | 91 | 97 | 98 | 1 |
| Total | | | 16,194 | 19,087 | 17,775 | 18,381 | 19,393 | 1,012 |

113. Offences reported:—

| SETTLEMENT. | | Total number of seizable offences reported. | Total number of non-seizable offences reported | Number of seiz- able offences admitted as true. | Number of persons arrested in connec- tion with admitted reports. | Number of persons convicted. | Value of property lost in connec- tion with offences. | Value of such property recovered by the Police. |
|-------------|-----|---|--|---|--|---------------------------------|--|--|
| | | | | | | | \$ c. | \$ c. |
| Singapore | ... | 3,066 | 8,753 | 2,985 | 1,172 | 725 | 425,916 00 | 55,209 00 |
| Penang | ... | 1,390 | 3,281 | 1,338 | 711 | 431 | 105,545 00 | 20,081 00 |
| Malacca | ... | 811 | 1,082 | 757 | 335 | 145 | 64,246 00 | 5,770 00 |
| Labuan | ... | 20 | 27 | 18 | 12 | 11 | 372 00 | 147 00 |
| Total, 1921 | | 5,287 | 13,143 | 5,098 | 2,230 | 1,312 | 596,079 00 | 81,207 00 |
| Total, 1920 | | 5,129 | 13,370 | 4,965 | 2,312 | 1,430 | 829,022 00 | 169,660 00 |
| Increase | | 158 | ... | 133 | ... | ... | ... | ... |
| Decrease | | ... | 227 | ... | 82 | 118 | 232,943 00 | 88,453 00 |

114. The usual statistics are attached to this report,* but compared below are shown the totals of the more serious crimes against the person and property reported during 1921 and compared with the totals of the two previous years.

| — | 1919. | 1920. | 1921. | Increase. | Decrease. |
|--|-------|-------|-------|-----------|-----------|
| <i>Against the Person.</i> | | | | | |
| Murder | 31 | 46 | 70 | 24 | ... |
| Attempted murder | 13 | 8 | 19 | 11 | ... |
| Culpable homicide not amounting to murder | 11 | 4 | 2 | ... | 2 |
| Rape | 1 | 5 | 11 | 6 | ... |
| Causing grievous hurt | 110 | 71 | 91 | 20 | ... |
| Causing hurt with dangerous weapon | 390 | 367 | 405 | 38 | ... |
| <i>Against Property.</i> | | | | | |
| Gang robbery | 24 | 65 | 106 | 41 | ... |
| Robbery | 96 | 122 | 172 | 50 | ... |
| House-breaking | 406 | 521 | 570 | 49 | ... |
| Extortion | 6 | 1 | 7 | 6 | ... |
| Theft | 2,228 | 2,796 | 2,770 | ... | 26 |
| Dishonestly retaining stolen property | 3 | 23 | 13 | ... | 10 |
| Cheating | 80 | 105 | 100 | ... | 5 |
| Criminal Breach of Trust | 307 | 365 | 294 | ... | 71 |
| Criminal Misappropriation | 11 | 16 | 17 | 1 | ... |

115. Suicides, wounding with knife, and drunkenness.

| SETTLEMENT. | | SUICIDE. | | Wounding with knife. | Cases of wounding with knife compounded. | Cases of drunkenness. |
|--------------------|-----|---------------|------------|----------------------|--|-----------------------|
| | | Accomplished. | Attempted. | | | |
| Singapore | ... | 36 | 32 | 243 | 122 | 174 |
| Penang | ... | 35 | 22 | 66 | 16 | 326 |
| Malacca | ... | 2 | 11 | 48 | 18 | 74 |
| Labuan | ... | ... | ... | ... | ... | 5 |
| Total, 1921 | ... | 73 | 65 | 357 | 156 | 579 |
| Total, 1920 | ... | 56 | 38 | 548 | 206 | 718 |
| Increase | ... | 17 | 27 | ... | ... | ... |
| Decrease | ... | ... | ... | 191 | 50 | 139 |

* Not printed.

116. Thefts of produce and live stock:—

| SETTLEMENT. | RUBBER. | | PREDIAL PRODUCE. | | LIVE STOCK. | |
|-----------------|----------|--------|------------------|--------|-------------|--------|
| | Reports. | Cases. | Reports. | Cases. | Reports. | Cases. |
| Singapore ... | 6 | 5 | 34 | 28 | 57 | 36 |
| Penang ... | 4 | 2 | 77 | 91 | 57 | 53 |
| Malacca ... | 49 | 27 | 48 | 38 | 63 | 50 |
| Labuan ... | ... | ... | 2 | ... | 3 | ... |
| Total, 1921 ... | 59 | 34 | 161 | 157 | 180 | 139 |
| Total, 1920 ... | 74 | 80 | 193 | 205 | 99 | 101 |
| Increase ... | ... | ... | ... | ... | 81 | 38 |
| Decrease ... | 15 | 46 | 32 | 48 | ... | ... |

117. From the extracts from the statistics given above, it will be seen that this Colony has not altogether escaped the wave of general lawlessness which seems to be pervading the whole world, the increase in crimes of a violent nature being especially noticeable such as murder, gang-robbery, and robbery.

118. Singapore suffers more from the effects of lack of employment, and consequent increase in crime, than the other Settlements, and the town has been full of men who come from all parts of the Colony and Peninsula and neighbouring countries, and who shortly after arrival become vagrants, many unable to work, but able to steal, others unwilling to work but ready for any crime of violence.

119. This vagrant question is becoming a serious problem, and costs the Colony annually a large sum for repatriation.

120. The number of murders is some indication of the general lawlessness. Twenty-seven of these were the result of a sudden quarrel, 12 were accompanied by robbery, 8 were the result of jealousy, while in 23 the cause was unknown, but secret society work was suspected in some instances. The knife was the chief instrument employed and was used in 55 of the cases.

121. Gang-robberies are seriously on the increase, though towards the end of the year there were indications of a lessening in this form of crime, but a disquieting feature is the frequency with which fire-arms are used.

122. Automatic pistols of German manufacture are being smuggled into most countries in the East, by the crews of vessels trading with Northern Europe, and though many seizures have been made by both police and the preventive staff in this Colony, there is little doubt that many have found their way into the hands of extremely undesirable characters.

123. There were fewer reports of theft of rubber and predial produce, but a considerable increase in theft of live stock, chiefly fowls.

124. There was less drunkenness.

125. This report would not be complete without placing on record the facts of a case which led to Chief Detective Inspector COSTELLO, Detective Constables No. 11 LEE SING CHEONG, and SEAH BUN SOO being awarded the King's Police Medal.

126. On the 7th July, Chief Detective Inspector COSTELLO received information from Detective Police Constable No. 17 that a gang-robbery was in contemplation by a certain gang of Chinese roughs.

127. Later he brought the news that the objective was No. 75, Craig Road, an opium-smoking room, and the 9th of July the date chosen, and that the gang were armed with revolvers.

128. A watch was kept on the premises by a constable disguised as a 'rikisha puller who reported at 8 P.M. that some of the gang had entered the shop and were smoking chandu while waiting an opportunity.

129. Chief Detective Inspector COSTELLO with Inspector PHEAR and several constables proceeded at once to the shop.

130. On arrival Detective Police Constable No. 11 LEE SING CHEONG entered followed by Mr. COSTELLO. LOW HENG, the leader of the gang, made a dash for the back of the shop followed by LEE SING CHEONG. LOW HENG turned and fired at No. 11, missing him however, he fired again but the cartridge missed fire and No. 11 closed with him.

131. After a sharp struggle in which Chief Detective Inspector COSTELLO joined, the revolver was secured and LOW HENG made prisoner.

132. The revolver contained 1 spent cartridge, 1 missfire and 4 live cartridges. In a belt on LOW HENG's person 14 other cartridges were found.

133. Meanwhile another of the gang LEE AH SENG also fired on the police, and he was secured after a struggle—in which he fired three shots—by Detective Police Constable 75 SEAH BUN SOO who was first to tackle him followed and assisted by Detective Police Constables Nos. 60, 31, 17, 42, 3, and 21, and Inspector PHEAR.

134. None of the police were injured but a passer-by in the street was wounded by a bullet in the abdomen (he has since recovered).

135. When searched AH SENG was found to have his revolver tied by a lanyard round his neck. It contained three spent cartridges and three live rounds, the revolver had jammed at the fourth round. He had 21 rounds tied round his waist and a dagger in his pocket.

136. A third member of the gang was arrested. He took no part in the fight but a large dagger was found underneath the bench on which he sat.

137. The revolvers were a .45 calibre United States Army revolver and a .45 Webley Scott.

138. The police though armed did not use their weapons through fear of injuring some of the many customers in the shop.

139. The two leaders of the gang were sentenced to imprisonment for life.

140. The usual statistics are appended.*

[No. 3548/22.]

I have, etc.,

A. R. CHANCELLOR,
*Inspector-General of Police,
Straits Settlements.*

THE HON'BLE

THE COLONIAL SECRETARY, S. S.,
SINGAPORE.

* Not printed.

POSTAL AND TELEGRAPH DEPARTMENT OF THE STRAITS SETTLEMENTS.

1. The following figures indicate the work done during 1921:—

1. Postal Articles (excluding Parcels).

| | | | Posted. | Delivered. | Received for transmission to other countries. | Total articles handled. |
|------|----------|-----|------------|------------|---|-------------------------|
| 1921 | ... | ... | 12,763,000 | 10,370,000 | 2,965,000 | 26,098,000 |
| 1920 | ... | ... | 13,917,000 | 11,652,000 | 2,895,000 | 28,464,000 |
| | Increase | ... | .. | | 70,000 | ... |
| | Decrease | ... | 1,154,000 | 1,282,000 | ... | 2,366,000 |

II. The decrease in articles handled may be attributed directly to the trade and financial depression general throughout the world.

2. 1. Registration.

| | | | Articles posted. | Delivered. | Received for transmission to other countries. | Total articles handled. |
|------|----------|-----|------------------|------------|---|-------------------------|
| 1921 | ... | ... | 566,657 | 592,718 | 247,569 | 1,406,944 |
| 1920 | ... | ... | 619,254 | 559,054 | 222,938 | 1,401,246 |
| | Increase | ... | ... | 33,664 | 24,631 | 5,698 |
| | Decrease | ... | 52,597 | ... | ... | ... |

3. 1. Insurance (Letters and Parcels).

| | | Number posted. | Number delivered. | Number in transit. | Total number. | Total value. | Fees collected. |
|------|----------|----------------|-------------------|--------------------|---------------|---------------|-----------------|
| | | | | | | \$ c. | \$ c. |
| 1921 | ... | 13,448 | 32,499 | 16,201 | 62,148 | 13,808,357 18 | 5,195 65 |
| 1920 | ... | 16,300 | 27,757 | 12,649 | 56,706 | 16,708,988 33 | 7,487 20 |
| | Increase | ... | 4,742 | 3,552 | 5,442 | | ... |
| | Decrease | 2,852 | ... | ... | ... | 2,900,631 15 | 2,291 55 |

II. Compensation for the loss or damage of insured articles amounting to \$136.22 or .99 cents per \$100,000 insured value was paid by this Administration.

4.

I. Parcels.

| | | | Posted. | Delivered. | Received for transmission to other countries. | Total. |
|----------|-----|-----|---------|------------|---|---------|
| 1921 | ... | ... | 174,369 | 121,546 | 63,368 | 359,283 |
| 1920 | ... | ... | 166,587 | 121,287 | 65,697 | 353,571 |
| Increase | | | 7,782 | 259 | ... | 5,712 |
| Decrease | | | ... | ... | 2,329 | ... |

II. The increase in the volume of parcels handled in the previous year 1920 was abnormal, but the year under review 1921 shows a still further increase in the number of parcels.

III. There has been a marked improvement in the Singapore Parcel Branch since removal to the new temporary building, the extra space available permitting of more expeditious handling of the work especially with regard to the delivery of the United Kingdom parcel mails.

5.

I. Cash-on-Delivery.

| | | | POSTED. | | DELIVERED. | | TOTAL HANDLED. | |
|----------|-----|-----|---------|------------|------------|------------|----------------|------------|
| | | | Number. | Value. | Number. | Value. | Number. | Value. |
| | | | | \$ c. | | \$ c. | | \$ c. |
| 1921 | ... | ... | 14,351 | 168,883 13 | 17,431 | 347,633 11 | 31,782 | 516,516 24 |
| 1920 | ... | ... | 15,957 | 229,266 20 | 11,779 | 324,613 62 | 27,736 | 553,879 82 |
| Increase | | | ... | ... | 5,652 | 23,019 49 | 4,046 | ... |
| Decrease | | | 1,606 | 60,383 07 | ... | ... | ... | 37,363 58 |

II. This service is popular with the Eurasian and Asiatic population of the Colony. The bulk of the articles posted in the Colony are addressed to places in the Malay States, and the bulk of the articles received are from India and the United Kingdom.

III. During the year the Value Payable Service with Ceylon was replaced by the universal Cash-on-Delivery system. At the end of the year India remained the only country with which the Value Payable system was in operation, other British Possessions having adopted the Cash-on-Delivery service.

6.

I. Returned Letter Branch.

| | | | ARTICLES POSTED IN COLONY. | | | Posted abroad and returned to origin. |
|----------|-----|-----|----------------------------|--------------|----------------------|---------------------------------------|
| | | | Dealt with. | Disposed of. | Valuable enclosures. | |
| | | | | | \$ c. | |
| 1921 | ... | ... | 45,378 | 32,626 | 24,017 83 | 137,758 |
| 1920 | ... | ... | 49,806 | 35,526 | 7,323 54 | 84,861 |
| Increase | | | ... | ... | 16,694 29 | 52,897 |
| Decrease | | | 4,428 | 2,900 | ... | ... |

II. The chief reasons for non-delivery as in previous years were:—

- (a) Insufficient address.
- (b) Addressees having removed and failed to notify the Post Office of their new address.
- (c) Incorrect address.
- (d) Letters and trade circulars from abroad apparently addressed according to directories of ancient date.

III. The percentage of letters disposed of by the Returned Letter Branch increased from 71 per cent in 1920 to 72 per cent in 1921.

IV. Two per cent of the valuable enclosures could not be returned as the senders had written their addresses neither on the covers nor on the letters enclosed.

7. Chinese Clubbed Packets.

I. Letters enclosed sent to China:—

| | | | | | |
|----------|-----|-----|-----|-----|-----------|
| 1921 | ... | ... | ... | ... | 1,423,911 |
| 1920 | ... | ... | ... | ... | 1,076,334 |
| Increase | ... | ... | ... | ... | 347,577 |

II. These packets contain letters forwarding cash remittances. The Chinese Postal Authorities are still anxious to stop this service, and this Administration is in correspondence with them upon the subject of the introduction of a direct Money Order service with China. Until however some method is devised of overcoming exchange difficulties it is difficult to see how a Money Order service can effectively supersede the Clubbed Packet system.

8. Closed Mails in Transit.

I. Number of sacks and packages handled:—

| | | | | | |
|----------|-----|-----|-----|-----|--------|
| 1921 | ... | ... | ... | ... | 98,067 |
| 1920 | ... | ... | ... | ... | 68,638 |
| Increase | ... | ... | ... | ... | 29,429 |
| Decrease | ... | ... | ... | ... | ... |

II. The large increase in transit mails handled by this Administration is due to the taking over on 1st January, 1921, in Singapore and Penang of the work formerly done by the late Netherlands Indies Postal Agencies.

III. Mails are transhipped in large quantities by the Singapore office to and from the United Kingdom, Hongkong, Indo-China, Netherlands Indies, the Philippine Islands and the Federated Malay States.

9. Money Order Branch.

I. Transactions:—

| | | | | Number. | Value. |
|----------|-----|-----|-----|---------|--------------|
| | | | | | \$ c. |
| 1921 | ... | ... | ... | 130,123 | 6,192,729 00 |
| 1920 | ... | ... | ... | 120,925 | 7,777,896 00 |
| Increase | ... | ... | ... | 9,198 | ... |
| Decrease | ... | ... | ... | ... | 1,585,167 00 |

II. The new system of fixing daily the rates of exchange for Money Orders drawn on India, Ceylon, Netherlands East Indies and Indo-China has proved to be a decided improvement upon the former method of working on fixed exchange rates.

III. The Money Order Service was extended during the year to Trengganu, and through London to Togoland (British), St. Pierre, Miquelon, Brazil, Saar (territory of), Free City of Dantzig and the Memel Territory.

IV. In order to meet the increased cost of the Money Order Service, the commission charges for orders payable in the Malayan Federated and Unfederated States and in Brunei, British North Borneo, and Sarawak were, from the 15th July, raised from one-half per cent to one per cent per dollar or part of a dollar of the amount remitted in Straits currency. The minimum commission charge for a Money Order was raised correspondingly from 5 to 10 cents.

10.

I. British Postal Orders.

| | ISSUED. | | PAID. | | TOTAL. | |
|--------------|---------|---------|---------|---------|---------|---------|
| | Number. | Amount. | Number. | Amount. | Number. | Amount. |
| | | \$ | | \$ | | \$ |
| 1921 ... | 37,336 | 173,891 | 3,068 | 17,808 | 40,404 | 191,699 |
| 1920 ... | 36,302 | 176,589 | 3,131 | 17,822 | 39,433 | 194,411 |
| Increase ... | 1,034 | ... | ... | ... | 971 | ... |
| Decrease ... | ... | 2,698 | 63 | 14 | ... | 2,712 |

11.

I. Savings Bank.

| | DEPOSITS. | | WITHDRAWALS. | | TOTAL NUMBER OF ACTUAL TRANSACTIONS. |
|--------------|-----------|--------------|--------------|--------------|--|
| | Number. | Amount. | Number. | Amount. | |
| | | \$ c. | | \$ c. | |
| 1921 ... | 32,916 | 1,557,231 03 | 11,382 | 1,593,502 70 | 44,298 |
| 1920 ... | 28,656 | 1,800,767 29 | 10,395 | 1,573,580 14 | 39,051 |
| Increase ... | 4,260 | ... | 987 | 19,922 56 | 5,247 |
| Decrease ... | ... | 243,536 26 | ... | ... | ... |

II. The total money value of the deposits shows a marked decrease which may be attributed to the general trade depression and financial stringency. The actual number of deposits however shows an increase.

III. The total amount which a depositor may have at any time at his credit exclusive of interest was raised from \$3,000 to \$5,000, and the rule formerly limiting the total amount which may be deposited in any one year to \$1,000 was abolished.

IV. Savings Bank accounts numbering 600 which had remained dormant for not less than ten years were advertised as a result of which 35 were claimed.

V. The following figures relating to the Savings Bank are also of interest:—

| | Current Accounts. | Total Credits. | Average per depositor. | Present value of securities. | Original cost of securities. |
|------------------|----------------------|-------------------|---------------------------|---------------------------------|---------------------------------|
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| 1921 (31st Dec.) | 9,738 | 1,772,210 60 | 181 99 | 1,526,063 65 | 1,886,487 92 |
| 1920 (31st Dec.) | 9,421 | 1,761,845 40 | 187 01 | 1,444,287 46 | 1,843,287 92 |
| Increase ... | 317 | 10,365 20 | ... | 81,776 19 | 43,200 00 |
| Decrease ... | ... | ... | 5 02 | ... | ... |

| | | | | | Profit on year's working. |
|----------------------|-----|-----|-----|-----|------------------------------|
| | | | | | \$ c. |
| 1921 (31st December) | ... | ... | ... | ... | 26,096 91 |
| 1920 (31st December) | ... | ... | ... | ... | 31,340 66 |
| Increase | ... | ... | ... | ... | ... |
| Decrease | ... | ... | ... | ... | 5,243 75 |

VI. The market value of the securities held by the Savings Bank rose considerably during the year, the appreciation being most marked in the investments in British War Loan and Municipal Loans.

VII. During the year the Savings Bank regulations were revised.

12. F. M. S. War Savings Certificates.

I. Sales:—

| | | | | Number. | Amount. |
|----------|-----|-----|-----|---------|---------|
| | | | | | \$ |
| 1921 | ... | ... | ... | 398 | 5,970 |
| 1920 | ... | ... | ... | 720 | 10,800 |
| Increase | ... | ... | ... | ... | ... |
| Decrease | ... | ... | ... | 322 | 4,830 |

13. I. War Loan Interest Coupons Cashed.

| | | | | Number. | Amount. |
|----------|-----|-----|-----|---------|-----------|
| | | | | | \$ c. |
| 1921 | ... | ... | ... | 3,699 | 56,286 75 |
| 1920 | ... | ... | ... | 3,814 | 48,750 30 |
| Increase | ... | ... | ... | ... | 7,536 45 |
| Decrease | ... | ... | ... | 115 | ... |

14.

Telegraphs.

I. Messages:—

| — | SENT. | | Received. | Total. | Revenue. | Expenditure (Recurrent and Capital). |
|--------------|-----------|--------|-----------|-----------|-------------|--|
| | Ordinary. | Govt. | | | | |
| | | | | | \$ c. | \$ c. |
| 1921 ... | 482,145 | 14,932 | 370,236 | 867,313 | *121,940 51 | 298,587 05 |
| 1920 ... | 565,623 | 15,687 | 491,003 | 1,072,313 | 138,598 33 | 195,207 37 |
| Increase ... | ... | ... | ... | ... | ... | 103,379 68 |
| Decrease ... | 83,478 | 755 | 120,767 | 205,000 | 16,657 82 | ... |

| | | | | | Profit. | Loss. |
|------|-----|-----|-----|-----|---------|-------------|
| | | | | | \$ c. | \$ c. |
| 1921 | ... | ... | ... | ... | ... | *130,575 77 |
| 1920 | ... | ... | ... | ... | ... | 56,609 04 |

II. In arriving at the loss of \$130,000 on the year's working nothing has been included for cost of buildings, stationery, medical attendance and so on, but on the other hand no credit has been allowed for the 14,932 Government messages transmitted free of charge.

III. The Malayan local telegraph charge was raised from 3 cents to 5 cents per word from the 1st September, 1921, and the rate to Kelantan and Siam was raised from 7 cents to 9 cents per word on the 1st October, 1921. The increased revenue from these higher rates is not included in the figure—\$121,940.51—of revenue for the year owing to the fact that the proper apportionment of these increased charges amongst the local Administrations taking part therein has not yet been definitely fixed. The proper revenue for the year will therefore eventually show some increase over the figure given.

IV. Owing to trade depression there was a considerable decrease in the number of messages handled, but a portion of the decrease shown in the above figures of messages received is due to an alteration in the method of recording such messages.

V. Duplex working between Penang and Singora (Siam) was successfully established during the year.

VI. A storm of exceptional violence in Province Wellesley on the 2nd September, 1921 completely wrecked the main Telegraph lines in several places. This mishap interrupted the service for some 22 hours.

VII. The Central Telegraph Offices in Penang and Malacca were re-wired throughout during the year, and various improvements made.

VIII. There were 498 miles of telegraph wire in the Colony on the 31st December, 1921.

IX. Telegraphs were established at Sepoy Lines Sub-Post Office (Singapore) and at the Sub-Post Offices of Durian Tunggal and Asahan in Malacca.

* Subject to adjustment when the apportionments of the charges for telegrams exchanged over the Malayan Telegraph System are settled

15. Government Telephones.

I. Penang system:—

| | CIRCUITS. | | Total Dec. 31st Ordinary. | Government. | Circuits mileage miles. | Wire mileage miles. | CABLE. UNDER-GROUND. | | OVERHEAD. | |
|--------------|-----------|-----------|---------------------------|-------------|-------------------------|---------------------|----------------------|--------|-----------|--------|
| | New. | Given up. | | | | | Miles. | Yards. | Miles. | Yards. |
| 1921 ... | 197 | 82 | 841 | 153 | 1,573 | 2,860 | 10 | 1,101 | 1 | 583 |
| 1920 ... | 51 | 24 | 726 | 139 | 1,472 | 2,660 | 8 | 1,342 | 1 | 275 |
| Increase ... | 146 | 58 | 115 | 14 | 101 | 200 | 1 | 1,519 | ... | 308 |
| Decrease ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

II.

| | Revenue. | EXPENDITURE. | | Profit. | Loss. |
|--------------|-----------|--------------|--------------|----------|-----------|
| | | Recurrent. | Capital. | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1921 ... | 90,941 07 | 88,430 99 | 247,540 18 a | ... | 22,228 98 |
| 1920 ... | 84,212 03 | 54,465 01 | 25,618 60 | 7,969 67 | ... |
| Increase ... | 6,729 04 | 33,965 98 | 221,921 58 | ... | ... |
| Decrease ... | ... | ... | ... | ... | ... |

III. The figures for expenditure take no account of the cost of buildings, stationery, medical attendance, etc. The revenue includes an estimated (but not paid) rent of the 153 Government circuits.

IV. The total number of connections on the 31st December, 1921 were 981, an increase of 129 over the previous year (1920). The total circuit mileage was $1,573\frac{1}{8}$ and wire mileage $2,860\frac{3}{4}$ which show an increase over 1920 of $100\frac{3}{32}$ and 200 miles respectively.

V. The months of August, September and October were particularly stormy, necessitating most of the staff being almost continually engaged on repairing break-downs and consequently delaying other important work. The telephone system can never be really satisfactory until the new scheme of underground cables has been completed.

VI. In September a further 100-line switch board was installed at Dato Kramat Exchange, and a new section made locally was added to the main frame. Another 100-line switch board was brought into use in the Penang Central Exchange. Both these boards are satisfactory.

VII. A new telephone sub-exchange was opened at Balik Pulau in December.

VIII. Practically all the underground plant for the New Central Telephone Exchange has been received, and the construction of the pipe lines has since been commenced. The New Exchange Store has been built. The Crown Agents have been asked to obtain tenders for a Common Battery Switch board equipped for 900 or 1,100 subscribers with ultimate capacity of 1,800.

(a) Includes the expenditure of \$196,289.90 on the new Telephone Exchange.

16.

I. Malacca Telephone System.

| | | CIRCUITS. | | | | Police lines. | Private lines. | Circuits mileage | | Wire mileage | |
|----------|-----|-----------|-----------|------------------|-------------|---------------|----------------|------------------|--------|--------------|--------|
| | | New. | Given up. | Total Dec. 31st. | | | | Miles. | Yards. | Miles. | Yards. |
| | | | | Ordinary. | Government. | | | | | | |
| 1921 | ... | 31 | 38 | 197 | 48 | 19 | 6 | 779 | ... | 1,097 | 660 |
| 1920 | ... | 18 | 4 | 204 | 23 | 35 | 15 | 751 | 660 | 1,072 | 1,100 |
| Increase | ... | 13 | 34 | ... | 25 | ... | ... | 27 | 1,100 | 24 | 1,320 |
| Decrease | ... | ... | ... | 7 | ... | 16 | 9 | ... | ... | ... | ... |

| | | | | | | | Cable mileage underground | |
|----------|-----|-----|-----|-----|-----|-----|---------------------------|--------|
| | | | | | | | Miles. | Yards. |
| 1921 | ... | ... | ... | ... | ... | ... | 1 | 1,110 |
| 1920 | ... | ... | ... | ... | ... | ... | 1 | 1,110 |
| Increase | ... | ... | ... | ... | ... | ... | ... | ... |
| Decrease | ... | ... | ... | ... | ... | ... | ... | ... |

II.

| | | Revenue. | EXPENDITURE. | | Profit. | Loss. |
|----------|-----|-----------|--------------|------------|---------|----------|
| | | | Recurrent. | Capital. | | |
| | | \$ c. | \$ c. | \$ c. | \$ | \$ c. |
| 1921 | ... | 22,910 77 | 31,247 83 | 103,714 89 | ... | 7,201 78 |
| 1920 | ... | 24,818 78 | 21,797 49 | 21,429 31 | ... | 3,001 15 |
| Increase | ... | ... | 9,450 34 | 82,285 58 | ... | ... |
| Decrease | ... | 1,908 01 | ... | ... | ... | ... |

III. A proper record of faults was started during the year and resulted in considerable improvement in regard to speed of localisation and clearance of faults.

IV. Unsatisfactory features of the Malacca Telephone Service during 1921 were—

- (a) Frequency of faults due to falling trees and branches of trees. The work of felling trees in too close proximity to the wires was carried on steadily throughout the year.
- (b) Overcrowded lines in Malacca Town—
Additional underground cables were placed on order to remedy this defect in due course.
- (c) Unreliability of the Central Exchange Switch board. The new Switch board ordered in 1920 was promised for delivery in December, 1921, and at the moment of writing has arrived and is in process of installation.

V. The detailed survey in connection with the construction of the Malacca-Tampin Trunk Line was completed, and all preliminary arrangements made to enable construction work to start—in the dry season—in January, 1922.

17. I. Penaga and Paya Lebar Wireless Stations.

| | | MESSAGES RECD. | | MESSAGES DESPD. | | EXPENDITURE. | | | | | |
|-----------|-----|----------------|---------|-----------------|---------|--------------|-----|------------|-----|----------|-----|
| | | P. Lebar. | Penaga. | P. Lebar. | Penaga. | Revenue. | | Recurrent. | | Special. | |
| | | | | | | \$ | c. | \$ | c. | \$ | c. |
| 1921 | ... | 3,868 | 3,836 | 1,615 | 1,417 | 28,713 | 83 | 61,857 | 22 | 33,197 | 68 |
| 1920 | ... | 4,418 | 3,379 | 2,882 | 1,475 | 18,996 | 29 | 65,004 | 46 | 6,326 | 17 |
| Increase. | ... | ... | 457 | ... | ... | 9,717 | 54 | ... | ... | 26,871 | 51 |
| Decrease. | ... | 550 | ... | 1,267 | 58 | ... | ... | 3,147 | 24 | ... | ... |

II. These two Stations still remain an expensive necessity.

III. A wireless service between Brunei and Labuan was inaugurated on the 16th May, and between Penaga and Burma on the 15th June. This latter service has so far been conducted without trouble, but there have been few messages.

IV. The duplication plant for Paya Lebar was all assembled by end of December, but not working. It was actually used for the first time with Sarawak in January, 1922.

V. The actual building extensions for the duplication plant at Penaga were completed in December, but the duplicate machinery had not arrived by the end of the year. It has since arrived at the time of writing and it is hoped that the new plant will be ready for operation by about August, 1922.

18. I. Financial.

| | | Revenue. | | EXPENDITURE. | | | | | |
|----------|-----|-----------|-----|--------------|-----|----------|-----|-----------|-----|
| | | | | Recurrent. | | Special. | | Total. | |
| | | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| 1921 | ... | 1,231,542 | 49 | 1,425,145 | 17 | 464,627 | 48 | 1,889,772 | 65 |
| 1920 | ... | 1,213,996 | 65 | 1,144,111 | 86 | 65,092 | 34 | 1,209,204 | 20 |
| Increase | ... | 17,545 | 84 | 281,033 | 31 | 399,535 | 14 | 680,568 | 45 |
| Decrease | ... | ... | ... | ... | ... | ... | ... | ... | ... |

II. The recurrent expenditure is swelled by the inclusion under salaries of items amounting to \$25,274 for arrears of salaries for the years 1919 and 1920 chiefly in connection with temporary allowances.

III. In conformity with the general increase of postal rates in countries throughout the world various increases in the local postage rates were made from the 1st October. The rate of postage on letters from the Colony to the United Kingdom and British Possessions was raised from 4 cents to 6 cents per ounce or fraction thereof. The rate of postage to foreign countries generally was also increased from 10 cents for any weight not exceeding one ounce and 6 cents for each additional ounce to 12 cents for the first ounce and 6 cents for each additional ounce. The rate on newspapers, printed papers, commercial papers, and pattern and sample packets were also increased, while various increases were made in the charges for parcels.

IV. Owing to the increased cost of salaries, materials, etc., arrangements were made for a small increase in the charges for telephone rentals under the Penang and Malacca Government Telephone Systems to take effect from the 1st January, 1922.

V. From the 1st to 28th May inclusive international statistics of postal matter were taken in accordance with the decisions reached at the International Postal Convention held at Madrid in the previous autumn. Based on these statistics a sum of approximately \$130,000 is due to this Administration by other Postal Administrations for the year 1921, but was not received during the year owing to the unavoidable time taken in making out the figures and in the necessary correspondence with the Administrations concerned. This sum if credited to the year 1921 would reduce considerably the increase shown in the figures of Recurrent Expenditure.

19.

Mails.

I. The arrival of outward European mails was still irregular throughout the year due to failure of connection at Bombay, and this Administration has been in constant correspondence with the London Postal Authorities in the matter; but until the P. & O. Steam Navigation Co. are able to place a more regular service of fast vessels on the London-Bombay run there appears to be small hope of any decided improvement.

II. In the latter part of the year vessels of the Stoomvaart Maatschappij Nederland (Nederland Royal Mail Line) commenced a fast fortnightly service from the Netherlands East Indies to Holland via Singapore and Genoa, and advantage was taken of these vessels for the conveyance of Homeward mails for the Continent and the United Kingdom.

III. In order to accelerate delivery of United Kingdom mails in Hongkong and Shanghai the London Post Office commenced enclosing all letter bags for these destinations in Singapore despatches, and thus ensured their transhipment at Penang and conveyance by rail to Singapore.

IV. Owing to the opening of the new through train service to Kelantan on the 1st November, mails from the Straits Settlements for that State were sent by train.

V. During the year several new offices of exchange in the United Kingdom commenced closing direct mails for Singapore and Penang.

VI. The direct mail service to Australia improved during the year but still continues irregular.

VII. Circulation of correspondence for South Africa was altered to Bombay in consequence of the irregular service via Colombo.

VIII. During the latter part of the year vessels of the Compagnie des Messageries Maritimes commenced calling at Penang on the outward and homeward voyages.

20.

Staff.

| — | | European. | Prize Appts. | Clerks. | Postmen. | Engi- neering. | Miscel laneous. | Total. |
|----------|-----|-----------|-----------------|---------|----------|-------------------|--------------------|--------|
| 1921 | ... | 24 | 9 | 419 | 304 | 72 | 397 | 1,228 |
| 1920 | ... | 19 | 5 | 366 | 253 | 64 | 314 | 1,021 |
| Increase | ... | 5 | 4 | 53 | 51 | 8 | 83 | 207 |
| Decrease | ... | ... | ... | ... | ... | ... | ... | ... |

I. In addition to the above during a portion of the year the Post Office gave temporary employment to three Europeans whose salaries were paid out of the Government Unemployment Vote.

II. There was no abnormal sickness.

III. During the whole year the clerks in Singapore were without a Convalescent Bungalow, and the want of it was keenly felt. Arrangements were however made at the end of the year for the purchase out of the Fine Fund of a small Bungalow on the sea shore at Pasir Panjang, and the clerical staff have since entered into possession of it.

21.

Offices.

I. On the 23rd April the old General Post Office in Singapore was closed and all staff and fittings were finally transferred to the temporary building on the reclamation at Collyer Quay. The transfer was carried out most satisfactorily and expeditiously. The temporary office is roomy and otherwise more satisfactory than the old building, but is at times uncomfortably hot.

II. In Singapore a new Post Office was opened at Sepoy Lines on the 1st November and a Railway Sub-Post Office was established at Bukit Timah on the 1st July.

III. In Malacca new Post Offices were opened at Masjid Tanah, Merlimau and Durian Tunggal, that at Durian Tunggal replacing a Railway Sub-Post Office.

IV. Building alterations were carried out at Malacca Post Office, involving the removal of several walls, and afforded much needed extra accommodation.

V. Two new quarters for married operators were constructed at Penaga Wireless Station.

VI. Public call telephones were established in the Sub-Post Offices in Penang and Malacca. In Singapore public call telephones were established in the Sub-Post Offices and connected to the Telephone Exchange system of the Oriental Telephone & Electric Co.

22.

Posting Boxes.

In Singapore a new pillar box was erected at the corner of Chancery Lane and Mount Rosie Road, and the new pillar boxes at Sepoy Lines removed on the opening of a Sub-Post Office nearby.

23.

Miscellaneous.

I. The motor fleet at the end of the year consisted in Singapore of eleven vans, in Penang of three vans and two lorries, and in Malacca of one van and one lorry.

II. Arrangements were made in Singapore for the current maintenance and ordinary running repairs of the motor vans to be carried out departmentally, and a noticeable improvement has been observed as a result in their general condition.

HERBERT C. SELLS,
Acting Postmaster-General, S.S.

GENERAL POST OFFICE,
SINGAPORE, 17th June, 1922. [No. 4936/22.]

APPENDIX A.

STATEMENT SHOWING THE APPROXIMATE NUMBER OF LETTERS, POST-CARDS, PRINTED PAPERS, COMMERCIAL PAPERS, SAMPLES, REGISTERED ARTICLES, AND INSURED LETTERS DEALT WITH DURING THE YEARS 1920 AND 1921.

| SUBJECT TO POSTAGE. | | | | | | | | | | | | | | |
|-----------------------------|------------|-----------|-------------|--------|-----------------|---------------------|----------|---------------|-----------------|-----------|--------|---------------------|------------------|--------|
| | LETTERS. | | POST CARDS. | | Printed Papers. | Com-mercial Papers. | Samples. | FREE SERVICE. | | | | Registered Letters. | Insured Letters. | TOTAL. |
| | Paid. | Unpaid. | Single. | Reply. | | | | Letters. | Other Articles. | | | | | |
| | | | | | 1 | 2 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| (a) Issued for delivery ... | 2,167,613 | 51,844 | 306,592 | 10,803 | 502,528 | 79,664 | 8,528 | 326,144 | 180,869 | 170,191 | 634 | 3,805,410 | | |
| (b) Received ... | 4,142,463 | 455,923 | 173,004 | 7,969 | 1,068,236 | 136,318 | 24,934 | 97,838 | 21,710 | 422,527 | 13,428 | 6,564,350 | | |
| (c) Despatched ... | 5,913,413 | 396,916 | 237,068 | 1,261 | 1,809,210 | 58,955 | 18,772 | 86,827 | 30,966 | 396,466 | 7,568 | 8,957,422 | | |
| (d) Transit ... | 1,526,265 | 271,531 | 101,998 | 1,352 | 731,640 | 15,483 | 10,582 | 46,956 | 5,811 | 247,569 | 5,508 | 2,964,695 | | |
| Total for 1921 ... | 13,749,754 | 1,176,214 | 818,662 | 21,385 | 4,111,614 | 290,420 | 62,816 | 557,765 | 239,356 | 1,236,753 | 27,138 | 22,291,877 | | |
| Total for 1920 ... | 15,569,698 | 780,950 | 1,149,569 | 19,859 | 4,368,045 | 389,510 | 71,929 | 581,001 | 259,378 | 1,210,038 | 21,893 | 24,421,870 | | |
| Increase ... | ... | 395,264 | ... | 1,526 | ... | ... | ... | ... | ... | 26,715 | 5,245 | ... | | |
| Decrease ... | 1,819,944 | ... | 330,907 | ... | 256,431 | 99,090 | 9,113 | 23,236 | 20,022 | ... | ... | 2,129,993 | | |

(a) Number of articles posted in Straits Settlements for delivery in the Straits Settlements.
 (b) Number of articles posted outside the Colony received in Straits Settlements for delivery.
 (c) Number of articles posted in Straits Settlements for despatch to places outside the Colony.
 (d) Number of articles posted outside the Colony received in Straits Settlements for despatch to places outside the Colony.

APPENDIX A-1.

STATISTICS OF POSTAL ARTICLES EXCLUDING PARCELS DEALT WITH IN
THE STRAITS SETTLEMENTS.

| — | Posted. | Delivered. | Transit. |
|------|------------|------------|-----------|
| 1911 | 8,089,698 | 6,896,788 | 3,356,658 |
| 1912 | 8,789,291 | 7,429,488 | 4,011,194 |
| 1913 | 9,147,653 | 7,983,199 | 4,961,424 |
| 1914 | 8,916,270 | 6,953,133 | 3,438,437 |
| 1915 | 10,028,804 | 7,498,634 | 3,594,058 |
| 1916 | 11,173,357 | 7,984,747 | 3,191,583 |
| 1917 | 11,338,680 | 8,447,338 | 2,465,091 |
| 1918 | 11,455,514 | 8,642,343 | 2,724,440 |
| 1919 | 13,182,061 | 9,355,950 | 2,748,836 |
| 1920 | 13,917,430 | 11,651,860 | 2,895,186 |
| 1921 | 12,762,832 | 10,369,760 | 2,964,695 |

APPENDIX B.

STATISTICS OF REGISTERED ARTICLES DEALT WITH IN THE
STRAITS SETTLEMENTS.

| — | Posted. | Delivered. | Transit. |
|------|---------|------------|----------|
| 1911 | 265,174 | 295,772 | 74,768 |
| 1912 | 280,950 | 329,434 | 188,202 |
| 1913 | 307,993 | 373,627 | 199,585 |
| 1914 | 286,194 | 351,378 | 194,418 |
| 1915 | 262,645 | 401,002 | 175,690 |
| 1916 | 297,264 | 405,795 | 203,719 |
| 1917 | 333,151 | 442,799 | 135,257 |
| 1918 | 410,518 | 451,966 | 155,161 |
| 1919 | 447,772 | 479,930 | 167,764 |
| 1920 | 619,254 | 559,054 | 222,938 |
| 1921 | 566,657 | 592,718 | 247,569 |

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APPENDIX C.

STATISTICS OF INSURED ARTICLES DEALT WITH IN THE
STRAITS SETTLEMENTS.

| | POSTED. | | DELIVERED. | | TRANSIT. | |
|------|---------|--------------|------------|--------------|----------|--------------|
| | No. | Amount. | No. | Amount. | No. | Amount. |
| | | \$ c. | | \$ c. | | \$ c. |
| 1911 | 3,100 | 596,392 00 | 11,999 | 2,231,213 00 | 4,652 | 288,475 00 |
| 1912 | 3,886 | 798,017 00 | 13,325 | 2,190,442 00 | 6,260 | 337,297 00 |
| 1913 | 4,680 | 959,258 00 | 15,913 | 3,283,413 00 | 8,052 | 502,442 00 |
| 1914 | 4,663 | 1,161,578 00 | 14,292 | 2,599,491 00 | 7,254 | 1,201,834 00 |
| 1915 | 4,187 | 1,048,693 70 | 12,209 | 2,399,666 34 | 6,283 | 561,905 60 |
| 1916 | 4,842 | 1,572,519 34 | 16,977 | 3,638,478 10 | 9,681 | 854,364 31 |
| 1917 | 4,309 | 1,533,975 65 | 17,830 | 3,458,349 42 | 9,428 | 828,110 68 |
| 1918 | 4,259 | 1,546,242 44 | 16,027 | 3,916,754 45 | 6,837 | 777,729 76 |
| 1919 | 8,352 | 3,275,740 78 | 19,328 | 4,953,085 96 | 7,745 | 898,327 16 |
| 1920 | 16,300 | 7,244,769 25 | 27,757 | 7,783,513 56 | 12,649 | 1,680,705 52 |
| 1921 | 13,448 | 3,548,337 59 | 32,499 | 8,003,286 61 | 16,201 | 2,256,732 98 |

INSURANCE FEES COLLECTED ON ARTICLES POSTED IN THE COLONY.

| | \$ c. | | \$ c. |
|------|----------|------|----------|
| 1911 | 1,040 80 | 1917 | 1,862 95 |
| 1912 | 1,270 31 | 1918 | 2,112 85 |
| 1913 | 1,951 56 | 1919 | 4,206 00 |
| 1914 | 1,867 25 | 1920 | 7,487 20 |
| 1915 | 1,722 78 | 1921 | 5,195 65 |
| 1916 | 2,333 90 | | |

APPENDIX D.

STATISTICS OF CASH-ON-DELIVERY (VALUE PAYABLE) ARTICLES
DEALT WITH IN THE STRAITS SETTLEMENTS.

| | POSTED. | | DELIVERED. | |
|------|---------|-------------------------|------------|-------------------------|
| | No. | Amount of Trade Charge. | No. | Amount of Trade Charge. |
| | | \$ c. | | \$ c. |
| 1911 | 2,354 | 22,297 00 | 1,301 | 16,264 00 |
| 1912 | 4,238 | 41,148 00 | 2,972 | 39,569 00 |
| 1913 | 6,336 | 55,711 00 | 6,404 | 80,908 00 |
| 1914 | 4,781 | 52,106 00 | 7,865 | 91,610 00 |
| 1915 | 8,205 | 75,483 70 | 6,070 | 102,599 96 |
| 1916 | 9,554 | 96,319 04 | 9,526 | 167,387 51 |
| 1917 | 9,889 | 111,838 42 | 9,802 | 304,731 89 |
| 1918 | 10,642 | 123,618 92 | 9,377 | 285,535 40 |
| 1919 | 13,267 | 163,097 19 | 9,845 | 243,767 23 |
| 1920 | 15,957 | 229,266 20 | 11,779 | 324,613 62 |
| 1921 | 14,351 | 168,883 13 | 17,431 | 347,633 11 |

APPENDIX E.

STATISTICS OF PARCELS DEALT WITH IN THE STRAITS SETTLEMENTS.

| | Posted. | Delivered. | Transit. |
|------|---------|------------|----------|
| 1911 | 68,270 | 54,933 | 41,772 |
| 1912 | 91,054 | 65,743 | 40,109 |
| 1913 | 92,128 | 75,374 | 61,403 |
| 1914 | 88,383 | 50,238 | 45,789 |
| 1915 | 81,863 | 50,339 | 43,358 |
| 1916 | 96,683 | 66,588 | 56,098 |
| 1917 | 98,045 | 69,622 | 53,177 |
| 1918 | 105,347 | 76,561 | 56,922 |
| 1919 | 130,453 | 78,022 | 55,149 |
| 1920 | 166,587 | 121,287 | 65,697 |
| 1921 | 174,369 | 121,546 | 63,368 |

APPENDIX F.

STATISTICS OF RETURNED LETTERS DEALT WITH IN THE STRAITS SETTLEMENTS.

| | POSTED IN S.S. | | POSTED OUTSIDE S.S. |
|------|----------------------------------|---------------------------|---------------------|
| | Returned to senders or reposted. | Undisposable undelivered. | Returned to Origin. |
| 1912 | 22,403 | 12,316 | 57,326 |
| 1913 | 21,683 | 25,132 | 74,128 |
| 1914 | 27,020 | 21,676 | 73,224 |
| 1915 | 21,481 | 15,127 | 54,787 |
| 1916 | 25,402 | 12,996 | 60,218 |
| 1917 | 25,121 | 13,406 | 65,693 |
| 1918 | 25,982 | 13,945 | 71,574 |
| 1919 | 21,801 | 12,568 | 65,216 |
| 1920 | 35,526 | 14,281 | 84,861 |
| 1921 | 32,626 | 12,752 | 137,758 |

APPENDIX G.

STRAITS SETTLEMENTS MONEY AND POSTAL ORDER TRANSACTIONS FOR 1921.
INTERNATIONAL SERVICE.

| | ORDERS ISSUED BY THE STRAITS SETTLEMENTS. | | | | | | ORDERS PAID IN THE STRAITS SETTLEMENTS. | | | | | | | | | | | |
|---------------------------------|---|-----------|---|--------|-----------|---|---|---------|---|---------|---------|---|-----|-------|----------|-----|-----|---------|
| | 1920. | | | 1921. | | | 1920. | | | 1921. | | | | | | | | |
| | No. | Amount. | Percentage of increase (+) or decrease (—) in number. | No. | Amount. | Percentage of increase (+) or decrease (—) in amount. | No. | Amount. | Percentage of increase (+) or decrease (—) in number. | No. | Amount. | Percentage of increase (+) or decrease (—) in amount. | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | £ | s. | d. | £ | s. | d. | £ | s. | d. | £ | s. | d. | | | | | | |
| A.—FOREIGN STERLING ORDERS:— | | | | | | | | | | | | | | | | | | |
| United Kingdom ... | 6,280 | 32,713 | 3 | 8½ | 7,601 | 32,900 | 4 | 9 | ... | 668 | 5,143 | 1 | 9 | 643 | 4,825 | 12 | 9 | ... |
| British Postal Orders | 36,302 | 20,581 | 10 | 1½ | 37,336 | 20,267 | 19 | 0½ | ... | 3,131 | 2,079 | 9 | 8 | 3,068 | 2,077 | 4 | 4 | ... |
| Australia ... | 663 | 3,924 | 17 | 6 | 410 | 1,628 | 12 | 2 | ... | 215 | 819 | 0 | 7 | 314 | 2,016 | 17 | 6 | ... |
| New Zealand ... | 21 | 78 | 9 | 0 | 32 | 272 | 9 | 3 | ... | 23 | 134 | 5 | 10 | 30 | 230 | 8 | 8 | ... |
| Egypt C. O. D. ... | ... | ... | ... | ... | 40 | 285 | 14 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Gibraltar C. O. D. ... | ... | ... | ... | ... | 8 | 60 | 1 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Amounts in Straits Currency (A) | 43,266 | 56,668 | 0 | 4 | 45,427 | 55,415 | 0 | 6½ | ... | 4,037 | 8,175 | 17 | 10 | 4,055 | 9,150 | 3 | 3 | ... |
| | | \$ | c. | | \$ | c. | | | + 4'99 | — 2'21 | \$ | c. | | | \$ | c. | | + 0'45 |
| B.—FOREIGN RUPEE ORDERS:— | | Rs. | As. | | Rs. | As. | | | | | Rs. | As. | | Rs. | As. | | | |
| India ... | 32,241 | 2,130,625 | 10 | 49,986 | 4,315,160 | 0 | | | ... | | 3,424 | 1,500,039 | 5 | 962 | 59,259 | 3 | | ... |
| Ceylon ... | 3,752 | 237,666 | 8 | 3,865 | 287,913 | 10 | | | ... | | 295 | 70,237 | 14 | 140 | 18,869 | 11 | | ... |
| Amounts in Straits Currency (B) | 35,993 | 2,368,292 | 2 | 53,851 | 4,603,073 | 10 | | | ... | | 3,719 | 1,570,277 | 3 | 1,102 | 78,128 | 14 | | ... |
| | | \$ | c. | | \$ | c. | | | + 49'62 | + 37'65 | \$ | c. | | | \$ | c. | | — 96'80 |
| C.—FOREIGN GUILDER ORDERS:— | | Guilders | c. | | Guilders | c. | | | | | | Guilders | c. | | Guilders | c. | | ... |
| Netherlands East Indies ... | 1,034 | 59,472 | 74 | 707 | 34,575 | 01 | | | ... | | 2,051 | 130,056 | 25 | | 164,386 | 04 | | ... |
| Amounts in Straits Currency (C) | 1,034 | 50,172 | 36 | 707 | 25,835 | 04 | | | — 31'62 | — 48'51 | | \$ | c. | | \$ | c. | | + 15'11 |
| | | \$ | c. | | \$ | c. | | | | | 2,051 | 105,630 | 11 | 2,361 | 120,053 | 89 | | + 13'65 |

| D.—FOREIGN FRANC ORDERS:— | | | | | | | | | | | |
|---|---------|---|-----------------------|---------|-----------------------|----------|----------|--------|-----------------------|-----------------------|-------------------|
| Indo-China | ... | 4 | Frcs. c. 77 53 | 14 | Frcs. c. 1,364 34 | ... | ... | 177 | \$ c. 11,898 69 | Frcs. c. 2,619 96 | ... |
| Amounts in Straits Currency (D) | | 4 | \$ c. 29 46 | 14 | \$ c. 242 07 | + 250'00 | + 721'69 | 177 | \$ c. 11,898 69 | \$ c. 978 62 | - 70'62 — 91'78 |
| E.—HONGKONG CURRENCY ORDERS:— | | | | | | | | | | | |
| China Bearer Money Orders ... | 64 | | \$ c. 1,779 04 | 84 | \$ c. 1,858 07 | ... | ... | 1 | \$ c. 10 00 | \$ c. ... | ... |
| Amounts in Straits Currency (E) | 64 | | \$ c. 4,054 62 | 84 | \$ c. 2,138 29 | + 31'25 | - 47'26 | 1 | \$ c. 18 68 | \$ c. ... | - 100'00 — 100'00 |
| F.—UNITED STATES CURRENCY ORDERS:— | | | | | | | | | | | |
| United States of America | 1,296 | | Gold. 8,712 70 | 1,077 | Gold. 5,894 58 | ... | ... | 51 | Gold. 389 72 | Gold. 784 68 | ... |
| Amounts in Straits Currency (F) | 1,296 | | \$ c. 20,931 98 | 1,077 | \$ c. 13,592 36 | - 16'90 | - 35'06 | 51 | \$ c. 852 42 | \$ c. 1,685 57 | + 49'02 + 97'74 |
| G.—FOREIGN DOLLAR ORDERS:— | | | | | | | | | | | |
| British North Borneo | 129 | | \$ c. 6,015 40 | 110 | \$ c. 4,713 99 | ... | ... | 1,923 | \$ c. 38,615 94 | \$ c. 29,641 02 | ... |
| Brunei | 11 | | 1,155 13 | 19 | 646 51 | ... | ... | 75 | 3,348 52 | 3,579 23 | ... |
| China | 522 | | 37,546 33 | 490 | 21,227 92 | ... | ... | 411 | 34,664 24 | 22,065 43 | ... |
| Federated Malay States | 6,187 | | 423,431 09 | 5,739 | 323,547 54 | ... | ... | 27,170 | 1,517,486 33 | 1,118,044 66 | ... |
| Johore... | 504 | | 26,883 93 | 518 | 25,496 63 | ... | ... | 4,530 | 273,760 55 | 169,746 14 | ... |
| Kedah | 290 | | 20,569 30 | 308 | 15,405 11 | ... | ... | 2,269 | 74,073 03 | 63,063 22 | ... |
| Kelantan | 177 | | 9,285 78 | 175 | 7,965 18 | ... | ... | 2,401 | 75,463 54 | 66,068 49 | ... |
| Sarawak | 146 | | 10,025 80 | 128 | 8,854 76 | ... | ... | 789 | 16,737 71 | 15,915 60 | ... |
| Siam | 141 | | 6,108 36 | 983 | 11,799 09 | ... | ... | 358 | 20,593 07 | 10,722 07 | ... |
| Trengganu | ... | | ... | 3 | 598 00 | ... | ... | ... | ... | 4,618 73 | ... |
| Total (G) | 8,107 | | 541,021 12 | 8,473 | 420,254 73 | + 4'51 | - 22'32 | 39,926 | 2,054,742 93 | 1,503,464 65 | - 11'88 — 26'83 |
| H.—INTERNAL SERVICE:— | | | | | | | | | | | |
| Local Money Orders | 10,283 | | \$ c. 563,680 00 | 9,025 | \$ c. 471,886 12 | ... | ... | 10,349 | \$ c. 567,131 59 | \$ c. 472,872 93 | ... |
| Total (H) | 10,283 | | 563,680 00 | 9,025 | 471,886 12 | - 12'23 | - 16'28 | 10,349 | 567,131 59 | 472,872 93 | - 12'65 — 16'62 |
| Grand Total, being totals of (A B, C, D, E, F, G and H) | 100,047 | | \$ c. 3,663,538 11 | 118,658 | \$ c. 4,158,950 16 | + 18'60 | + 13'52 | 60,311 | \$ c. 4,308,768 99 | \$ c. 2,225,478 24 | - 14'00 — 48'35 |

* Out of 52 orders, 16 were advised in Straits Currency.

APPENDIX G-1.

STRAITS SETTLEMENTS STATISTICS OF MONEY AND POSTAL ORDERS.

| Year. | Issued (including Through Orders). | | | | Paid. | | | | Total Number of Transactions. | Total amount of Transactions. |
|-------|------------------------------------|------------|----------------|---------|---------------|-----------|----------------|---------|-------------------------------|-------------------------------|
| | Money Orders. | | Postal Orders. | | Money Orders. | | Postal Orders. | | | |
| | Number. | Amount. | Number. | Amount. | Number. | Amount. | Number. | Amount. | Issued and Paid. | — |
| | | \$ | | \$ | | \$ | | \$ | | \$ |
| 1911 | 56,237 | 1,893,528 | 39,636 | 213,885 | 26,354 | 937,196 | 4,465 | 23,051 | 126,692 | 3,067,660 |
| 1912 | 65,828 | 2,242,690 | 44,997 | 238,994 | 31,794 | 906,855 | 4,751 | 24,603 | 147,370 | 3,413,142 |
| 1913 | 72,027 | 2,573,683 | 51,706 | 275,439 | 38,262 | 1,131,090 | 4,953 | 24,878 | 166,948 | 4,005,090 |
| 1914 | 62,987 | 2,534,603 | 44,560 | 236,952 | 40,299 | 1,279,946 | 4,757 | 24,592 | 152,603 | 4,076,093 |
| 1915 | 61,157 | 2,288,994 | 38,273 | 203,847 | 43,764 | 1,358,757 | 4,210 | 20,576 | 147,404 | 3,872,174 |
| 1916 | 78,190 | 3,028,478 | 34,743 | 184,135 | 50,230 | 1,577,409 | 4,755 | 21,981 | 167,918 | 4,812,003 |
| 1917 | 119,570 | 12,678,778 | 38,164 | 223,266 | 54,663 | 1,835,586 | 5,264 | 22,933 | 217,661 | 14,760,563 |
| 1918 | 79,317 | 4,059,089 | 18,412 | 100,540 | 50,713 | 2,091,486 | 3,716 | 18,901 | 152,158 | 6,270,016 |
| 1919 | 69,070 | 3,259,209 | 23,735 | 120,830 | 53,100 | 2,395,212 | 3,915 | 20,679 | 149,820 | 5,795,930 |
| 1920 | 63,745 | 3,486,949 | 36,302 | 176,589 | 57,180 | 4,290,947 | 3,131 | 17,822 | 160,358 | 7,972,307 |
| 1921 | 81,322 | 3,985,059 | 37,336 | 173,891 | 48,801 | 2,207,670 | 3,068 | 17,808 | 170,527 | 6,384,428 |

GOVERNMENT SAVINGS BANK, STRAITS SETTLEMENTS.

Value of Securities as on 31st December, 1921, calculated at the latest known Market Rates of 1921.

[illegible]

APPENDIX H-1.

Statement of Assets and Liabilities on 31st December, 1921.

| Liabilities. | Amount. | Assets. | Amount. |
|--|--------------|---|-----------------------|
| Total Amount, including Interest due to Depositors:— | \$ c. | Value of Securities calculated at the latest available market rates | \$ c. 1,526,063 65 |
| | \$ c. | <i>Estimated Interest due to 31st December, 1921:—</i> | |
| Singapore | 1,353,232 95 | (a) Crown Agents' Investments '... .. | 4,881 32 |
| Penang | 329,442 58 | (b) Indian War Loan 5 % 1929-1947 | 7,749 22 |
| Malacca | 79,552 14 | (c) Straits Settlements War Loan Bonds 5½ % conversion | 2,333 38 |
| Labuan | 9,982 93 | (d) Straits Settlements War Loan Bonds 5½ % Straits Settlements and Federated Malay States Victory Bonds | 6,531 51 |
| Expenses of Management | 1,772,210 60 | (f) Municipal Debentures | 5,500 00 |
| | 14,900 00 | (g) Fixed Deposits | 2,236 25 |
| | | | 438 55 |
| | | Cash—Current Balances in Banks:— | |
| | | Singapore | 39,531 48 |
| | | Penang | 8,363 84 |
| | | Malacca | 5,344 01 |
| | | Labuan | 2,697 60 |
| | | Balance at debit of the Savings Bank on 31st December, 1921 | 55,936 93 |
| | 1,787,110 60 | | 175,439 79 |
| | | | 1,787,110 60 |

APPENDIX H-2.

STATEMENT SHOWING THE BUSINESS DONE BY THE STRAITS SETTLEMENTS GOVERNMENT SAVINGS BANK FROM 1911 TO 1921.

| Year. | DEPOSITS. | | WITHDRAWALS. | | Number of accounts remaining open. | Amount standing to credit of depositors. | Average amount standing to credit of each depositor. | Value of Securities. |
|-------|-----------|---------|--------------|---------|------------------------------------|--|--|----------------------|
| | Number. | Amount. | Number. | Amount. | | | | |
| 1911 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1912 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1913 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1914 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1915 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1916 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1917 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1918 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1919 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1920 | ... | ... | ... | ... | ... | \$ | \$ | \$ |
| 1921 | ... | ... | ... | ... | ... | \$ | \$ | \$ |

NOTE:—Above figures do not include cash balance at bank.

APPENDIX I.

COMPARATIVE STATEMENT OF THE WORKING OF THE GOVERNMENT TELEGRAPHS FOR THE YEARS 1920 AND 1921.

| Settlement. | Revenue. | | Expenditure Recurrent. | | Expenditure Special. | | Total Expenditure. | | Number of Paid Telegrams forwarded. | | Number of Government Telegrams forwarded. | | | | | | | | | | |
|---------------|----------|-------|------------------------|-------|----------------------|-------|--------------------|-------|-------------------------------------|-------|---|----|---------|----|---------|--------|---------|---------|--------|--------|-------|
| | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | | | | | | | | | | | |
| | | | | | | | | | | | | \$ | c. | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| Singapore ... | 58,822 | 86 | * 53,286 | 16 | 80,662 | 68 | 109,944 | 84 | 160 | 00 | 65 | 06 | 80,822 | 68 | 110,009 | 90 | 254,082 | 225,234 | 5,880 | 6,907 | |
| Penang ... | 71,410 | 50 | 61,063 | 24 | 95,405 | 15 | 121,178 | 89 | 6,490 | 02 | 36,110 | 47 | 101,895 | 17 | 61,572 | 89 | 274,497 | 224,896 | 8,445 | 6,178 | |
| Malacca ... | 8,364 | 97 | 7,591 | 11 | 11,201 | 97 | 16,273 | 58 | 1,287 | 55 | 15,014 | 21 | 12,489 | 52 | c | 31,287 | 79 | 37,044 | 32,015 | 1,362 | 1,847 |
| Total ... | 138,598 | 33 | 121,940 | 51 | 187,269 | 80 | 247,397 | 31 | 7,937 | 57 | 51,189 | 74 | 195,207 | 37 | 298,587 | 05 | 565,623 | 482,145 | 15,687 | 14,932 | |

(a) Includes \$14,362.46 on account of temporary allowances and \$6,283.76 on account of arrears of salaries for 1920. (b) Includes \$18,048.92 on account of temporary allowances.

(c) Includes \$2,780.61 on account of temporary allowances.

* Subject to adjustment when the apportionments of the charges for Telegrams exchanged over the Malayan Telegraph System are settled.

APPENDIX J.
TELEGRAPH STATISTICS, STRAITS SETTLEMENTS.

| Period. | | No. of Telegrams received. | No. of Telegrams forwarded. | Revenue. | | Expenditure. | |
|---------|-----|----------------------------------|-----------------------------------|-----------|----|--------------|----|
| | | <i>a</i> | <i>a</i> | | | | |
| | | | | \$ | c. | \$ | c. |
| 1911 | ... | ... | 228,499 | 48,719 | 89 | 51,516 | 80 |
| 1912 | ... | ... | 244,301 | 48,019 | 44 | 46,113 | 74 |
| 1913 | ... | ... | 263,816 | 51,605 | 99 | 49,913 | 49 |
| 1914 | ... | ... | 235,776 | 45,595 | 56 | 64,422 | 72 |
| 1915 | ... | 229,270 | 246,384 | 45,491 | 31 | 62,102 | 52 |
| 1916 | ... | 280,369 | 330,566 | 68,682 | 47 | 61,931 | 07 |
| 1917 | ... | 316,726 | 358,064 | 74,822 | 00 | 72,688 | 59 |
| 1918 | ... | 357,064 | 408,242 | 97,214 | 00 | 101,893 | 27 |
| 1919 | ... | 442,744 | 537,918 | 121,772 | 66 | 120,460 | 64 |
| 1920 | ... | 491,003 | 581,310 | 138,598 | 33 | 195,207 | 37 |
| 1921 | ... | 370,236 | 497,077 | * 121,940 | 51 | 298,587 | 05 |

(a) Messages received from one office and transmitted to another are included under both headings.

* Subject to adjustment when the apportionments of the charges for telegrams exchanged over the Malayan Telegraph System are settled.

APPENDIX K.
TELEPHONE STATISTICS, PENANG.

| Year. | Number of Telephone Subscribers. | Number of Telephone Service lines. | Number of Police lines not connected with the Telephone Exchange. | Telephone Circuit mileage. <i>Miles.</i> | Telephone Wire mileage. <i>Miles.</i> | Telephone Underground Cable. <i>Miles. Yds.</i> | Telephone Over- head Cable. <i>Miles. Yds.</i> | Revenue. \$ c. | Expenditure. \$ c. | REMARKS. |
|-------|--|--|---|--|--|--|--|-----------------------|---------------------------|---|
| 1911 | ... | ... | ... | 1,074 $\frac{3}{4}$ | 1,664 $\frac{1}{4}$ | Uncertain. | Nil. | 40,985 12 | 25,622 35 | |
| 1912 | ... | 84 | 37 | 1,194 $\frac{27}{32}$ | 1,870 $\frac{9}{16}$ | Uncertain. | Nil. | 47,544 38 | 28,459 73 | |
| 1913 | ... | 89 | 37 | 1,286 | 2,150 | 5 1,320 | Nil. | 53,610 66 | 33,983 73 | |
| 1914 | ... | 96 | 37 | 1,169 $\frac{1}{4}$ | 2,123 $\frac{1}{2}$ | 5 1,540 | Nil. | 64,702 66 | 40,714 75 | |
| 1915 | ... | 109 | 38 | 1,203 | 2,203 | 5 1,540 | Nil. | 66,014 00 | 40,515 55 | |
| 1916 | ... | 117 | 38 | 1,271 $\frac{1}{32}$ | 2,339 $\frac{1}{8}$ | 6 1,174 | 595 | 70,864 96 | 40,877 85 | The telephone overhead cables are satisfactory. |
| 1917 | ... | 117 | 38 | 1,278 $\frac{1}{2}$ | 2,372 | 7 902 | 715 | 74,948 52 | 41,642 13 | |
| 1918 | ... | 121 | 38 | 1,327 $\frac{1}{8}$ | 2,450 $\frac{5}{16}$ | 7 902 | 715 | 77,063 87 | 48,103 67 | |
| 1919 | ... | 115 | 39 | 1,349 $\frac{5}{16}$ | 2,483 | 7 902 | 715 | 80,965 50 | 55,899 70 | |
| 1920 | ... | 102 | 42 | 1,472 $\frac{3}{8}$ | 2,660 $\frac{3}{4}$ | 8 1,342 | 1,275 | 84,212 03 | 76,242 36 | |
| 1921 | ... | 126 | 13 | 1,573 $\frac{7}{8}$ | 2,860 $\frac{3}{4}$ | 10 1,101 | 583 | 90,941 07 | 309,459 95 | |
| | ... | 140 | 13 | | | | | | | |

* Includes expenditure of \$196,289.90 on account of New Telephone Exchange.

APPENDIX K-1.

TELEPHONE STATISTICS MALACCA.

| Year. | Number of Telephone Subscribers. | Number of Extension Circuits. | Number of Telephone Service lines. | Number of Police lines not connected with the Telephone Exchange. | Number of Private Telephone lines. | Telephone Circuit mileage. | | Telephone Wire mileage. | | Telephone Under-ground Cable. | Telephone Overhead Cable. | Revenue. | | Expenditure. | | Remarks. |
|-------|----------------------------------|-------------------------------|------------------------------------|---|------------------------------------|----------------------------|------------|-------------------------|------------|-------------------------------|---------------------------|----------|-----|--------------|----|----------|
| | | | | | | Mls. Furs. | Mls. Furs. | Mls. Furs. | Mls. Furs. | Mls. Yds. | Yards. | \$ | c. | \$ | c. | |
| 1911 | ... | ... | ... | 40 | 18 | 450 | 3 | 450 | 3 | ... | ... | ... | ... | 2,412 | 18 | |
| 1912 | ... | ... | ... | 40 | 18 | 557 | 3 | 557 | 3 | ... | ... | 5,328 | 00 | 2,258 | 90 | |
| 1913 | ... | ... | 1 | 38 | 15 | 575 | 4 | 575 | 4 | ... | ... | 7,511 | 54 | 26,563 | 73 | |
| 1914 | ... | ... | 9 | 35 | 15 | 602 | 5 | ... | ... | 1 | 1,110 | 8,367 | 81 | 21,678 | 99 | |
| 1915 | ... | 22 | 15 | 34 | 15 | 514 | 9 | ... | ... | 1 | 1,110 | 10,348 | 08 | 11,075 | 78 | |
| 1916 | ... | 40 | 18 | 34 | 15 | 613 | 6 | 826 | 0 | 1 | 1,110 | 13,127 | 68 | 23,205 | 55 | |
| 1917 | ... | 46 | 18 | 35 | 15 | 635 | 6 | 862 | 0 | 1 | 1,110 | 16,602 | 48 | 20,743 | 74 | |
| 1918 | ... | 49 | 21 | 35 | 15 | 645 | 0 | 876 | 4 | 1 | 1,110 | 18,875 | 08 | 20,342 | 95 | |
| 1919 | ... | 56 | 23 | 35 | 15 | 680 | 0 | 925 | 7 | 1 | 1,110 | 21,580 | 93 | 27,979 | 12 | |
| 1920 | ... | 64 | 23 | 35 | 15 | 751 | 3 | 1,072 | 5 | 1 | 1,110 | 24,818 | 78 | 34,481 | 96 | |
| 1921 | ... | 70 | 48 | 19 | 6 | 779 | 0 | 1,097 | 3 | 1 | 1,110 | 22,910 | 77 | * 134,962 | 72 | |

* Includes \$103,714.89 on account of Capital Expenditure.

APPENDIX L.

STATISTICS RELATING TO THE COMMERCIAL WIRELESS STATIONS AT PENANG AND SINGAPORE.

| Year. | MESSAGES FORWARDED | | MESSAGES RECEIVED. | | Total including Government messages. | Government messages. | Total Revenue. | Total Expenditure. | Remarks. |
|-------|--------------------|---------|--------------------|---------|--------------------------------------|----------------------|----------------|--------------------|---|
| | Singapore. | Penang. | Singapore. | Penang. | | | | | |
| 1915 | ... | 50 | ... | ... | 148 | 2 | \$ 231 00 | \$ c. 82,784 54 | Singapore Station opened for traffic on 8th October, 1915. Penang Station opened for traffic on 21st February, 1916. |
| 1916 | ... | 254 | 92 | 253 | 1,103 | 100 | 1,693 80 | 78,362 79 | |
| 1917 | ... | 1,213 | 154 | 249 | 2,501 | 310 | 4,139 00 | 35,834 11 | |
| 1918 | ... | 2,295 | 71 | 219 | 4,269 | 93 | 7,805 00 | 30,957 74 | |
| 1919 | ... | 5,359 | 1,475 | 1,527 | 12,831 | 70 | 20,113 00 | 44,967 95 | |
| 1920 | ... | 2,882 | 536 | 3,379 | 11,215 | 133 | 18,996 00 | 71,330 63 | |
| 1921 | ... | 2,207 | 513 | 3,493 | 10,210 | 149 | 28,713 83 | 95,054 90 | |

APPENDIX M.

STATEMENT OF THE REVENUE OF THE POSTAL DEPARTMENT FOR THE YEARS 1920 AND 1921. REVENUE 1921.

| Settlement. | Commission on Money Orders. | Postage Stamps. | Postage Collections. | Radio-Telegrams. | Rent of Private Boxes. | Telephones. | Telegrams. | Miscellaneous. | Postal Expresses. | Telegraphic Addresses. | Total for 1921. | Total for 1920. | Revenue Stamps. |
|------------------|-----------------------------|-----------------|----------------------|------------------|------------------------|-------------|----------------|----------------|-------------------|------------------------|-----------------|-----------------|-----------------|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Singapore ... | 20,548 34 | 704,086 86 | 18,201 35 | 17,414 38 | 5,408 00 | ... | 53,286 16 | 769 50 | 16,204 00 | 6,678 00 | 842,596 59 | 794,698 60 | 186,539 00 |
| Penang ... | 11,662 05 | 119,389 75 | 13,398 70 | 11,299 45 | 2,493 00 | 74,127 07 | 61,063 24 | 787 22 | 4,158 00 | 1,775 00 | 300,153 48 | 332,233 07 | 49,699 00 |
| Malacca ... | 3,964 17 | 44,482 92 | 3,770 47 | ... | 634 00 | 22,910 77 | 7,591 11 | 14 00 | 132 00 | 770 00 | 84,269 44 | 82,220 53 | 6,150 00 |
| Labuan ... | 286 40 | 4,034 85 | 32 24 | ... | 150 00 | ... | ... | 0 33 | ... | ... | 4,503 82 | 4,830 11 | 3,332 00 |
| Christmas Island | 3 24 | ... | 15 92 | ... | ... | ... | ... | ... | ... | ... | 19 16 | 14 34 | ... |
| Total 1921 ... | 36,464 20 | 871,994 38 | 35,418 68 | 28,713 83 | 8,685 00 | 97,037 84 | * a 121,940.51 | 1,571 05 | 20,494 00 | 9,223 00 | 1,231,542 49 | 1,213,996 65 | 245,720 00 |
| " 1920 ... | 33,613 31 | 870,232 20 | 27,641 53 | 18,996 29 | 5,998 00 | 93,206 41 | 138,598.33 | 25,710 58 | ... | ... | 1,213,996 65 | ... | 265,813 00 |
| Increase ... | 2,850 89 | 1,762 18 | 7,777 15 | 9,717 54 | 2,687 00 | 3,831 43 | ... | ... | 20,494 00 | † 9,223 00 | † 17,545 84 | ... | ... |
| Decrease ... | ... | ... | ... | ... | ... | ... | 16,657 82 | b 24,130 53 | ... | ... | ... | ... | 20,093 00 |

* (a) Subject to adjustment when the apportionments of the charges for telegrams exchanged over the Malayan Telegraph System are settled. (b) See separate columns under "Postal Express" and "Telegraphic Addresses."

† Included under Miscellaneous in 1920.

APPENDIX M.—Continued.

STATEMENT OF THE EXPENDITURE OF THE POSTAL DEPARTMENT FOR THE YEARS 1920 AND 1921. EXPENDITURE 1921.

| Settlement. | POST OFFICE. | | TELEGRAPHS. | | WIRELESS. | | TELEPHONE EXCHANGE. | | GOVERNMENT. | TOTAL FOR 1921. | TOTAL FOR 1920. |
|----------------|---------------|----------------|--------------|----------------|--------------|----------------|---------------------|----------------|-------------|--------------------|--------------------|
| | Salaries. | Other Charges. | Salaries. | Other Charges. | Salaries. | Other Charges. | Salaries. | Other Charges. | | | |
| Singapore ... | \$ 472,826 53 | 213,472 83 | \$ 98,205 70 | 11,804 20 | \$ 32,233 72 | 35,295 04 | ... | ... | \$ 988 66 | 864,826 68 | 682,775 05 |
| Penang ... | 228,710 29 | 36,211 68 | 124,856 32 | 32,433 04 | 19,653 81 | 7,872 33 | 77,362 39 | 258,608 78 | 1,844 92 | 787,553 56 | 412,884 21 |
| Malacca ... | 52,983 31 | 13,143 86 | 13,821 22 | 1,466 57 | ... | ... | 22,236 01 | 101,743 51 | 10,983 20 | 232,377 68 | 108,999 90 |
| Labuan ... | 4,505 08 | 509 65 | ... | ... | ... | ... | ... | ... | ... | 5,014 73 | 4,545 04 |
| Total 1921 ... | 759,025 21 | 263,338 02 | 236,883 24 | 61,703 81 | 51,887 53 | 43,167 37 | 99,598 40 | 360,352 29 | 13,816 78 | 1,889,772 65 | ... |
| " 1920 ... | 591,317 34 | 219,940 45 | 164,179 16 | 31,028 21 | 54,196 13 | 17,134 50 | 63,250 74 | 61,079 63 | 7,078 04 | 1,209,204 20 | 1,209,204 20 |
| Increase .. | 167,707 87 | 43,397 57 | 72,704 08 | 30,675 60 | ... | 26,032 87 | 36,347 66 | 299,272 66 | 6,738 74 | 680,568 45 | ... |
| Decrease ... | ... | ... | ... | ... | 2,308 60 | ... | ... | ... | ... | ... | ... |

(a) Includes \$40,816.35 on account of Temporary Allowances, \$18,581.41 on account of arrears of salary for 1919 and 1920, \$2,443.33 on account of salaries paid from Unemployment Fund and \$26,466 47 do. of Acting Officers.

(b) do. \$28,560.20 do. Temporary Allowances.

(c) do. \$9,405.60 do. do.

(d) do. \$666.88 do. do.

(e) do. \$14,362.46 on account of Temporary Allowances and \$6,283.76 on account of arrears for 1920.

(f) Includes \$18,048.92 on account of Temporary Allowances. do.

(g) do. \$2,780.61 do.

(h) do. \$6,009.50 on account of Temporary Allowances, and \$409.02 on account of arrears of salaries for 1920.

(i) do. \$4,424.90 do.

(j) do. \$10,535.15 do.

(k) do. \$5,768.63 do.

(l) do. \$6,291.37 special expenditure.

APPENDIX M-1.

REVENUE (CENTS OMITTED).

Revenue Statistics for Straits Settlements.

| YEAR. | Commis- sion on Money Orders. | Postage Stamps. | Postage Collections. | Radio- Telegrams. | Rent of Private Boxes. | Tele- phones. | Telegrams. | Postal Express. | Tele- graphic Address. | Miscella- neous. | Total P.O. Revenue. | Revenue Stamps Sold by P. O. |
|-------|--|--------------------|-------------------------|----------------------|------------------------------|------------------|------------|--------------------|------------------------------|---------------------|------------------------|---------------------------------------|
| 1911 | \$ 27,125 | \$ 535,431 | \$ 22,027 | \$... | ... | \$ 37,278 | \$... | \$... | \$... | \$ 11,111 | \$ 632,974 | \$ 70,667 |
| 1912 | 26,238 | 572,182 | 22,813 | ... | ... | 48,968 | ... | ... | ... | 11,015 | 693,633 | 88,190 |
| 1913 | 28,916 | 641,597 | 21,784 | ... | ... | 55,563 | ... | ... | ... | 15,562 | 763,424 | 127,567 |
| 1914 | 24,123 | 585,354 | 19,765 | ... | ... | 61,048 | 45,596 | ... | ... | 13,060 | 703,351 | 114,579 |
| 1915 | 26,310 | 522,202 | 15,700 | 231 | 3,270 | 63,173 | 45,491 | ... | ... | 9,361 | 685,740 | 114,051 |
| 1916 | 43,276 | 581,879 | 16,595 | 1,693 | 3,780 | 69,933 | 68,682 | ... | ... | 13,610 | 799,450 | 132,419 |
| 1917 | 305,625 | 574,498 | 15,720 | 4,139 | 3,718 | 77,146 | 74,822 | ... | ... | 18,710 | 1,074,381 | 146,861 |
| 1918 | 146,757 | 656,210 | 17,855 | 7,805 | 3,707 | 81,564 | 97,214 | ... | ... | 19,143 | 1,030,257 | 158,869 |
| 1919 | 116,221 | 776,919 | 25,254 | 20,112 | 4,578 | 88,838 | 121,772 | ... | ... | 22,914 | 1,176,612 | 207,482 |
| 1920 | 33,613 | 872,415 | 27,641 | 18,996 | 5,998 | 93,206 | 136,414 | ... | ... | 25,710 | 1,213,996 | 265,813 |
| 1921 | 36,464 | 871,994 | 35,419 | 28,714 | 8,685 | 97,038 | 121,941 | 20,494 | 9,223 | 1,571 | 1,231,542 | 245,720 |

A new service
Formerly included
in Miscellaneous.

APPENDIX N.

EXPENDITURE STATISTICS FOR STRAITS SETTLEMENTS.

| | | | Total. | REMARKS. |
|------|-----|-----|--------------|---|
| | | | \$ c. | |
| 1911 | ... | ... | 512,845 54 | |
| 1912 | ... | ... | 475,946 75 | |
| 1913 | ... | ... | 597,373 22 | Includes \$113.32 towards installation of Wireless Telegraph Station. (a) Includes \$39,593.42 towards installation of Wireless Telegraph Station. (b) Includes \$25,551.31 towards installation of Wireless Telegraph Station. |
| 1914 | ... | ... | 674,333 73 | |
| 1915 | ... | ... | 623,820 94 | Includes \$743.10 salary of Wireless Engineer Operator from 8th October, 1915. (b) Includes \$40,619.07 towards installation of Wireless Telegraph Station and \$3,474.16 for its maintenance. Includes \$37,948.21 towards installation of Wireless Telegraph Station. |
| 1916 | ... | ... | 583,482 20 | (a) Includes salaries chargeable to Wireless Station, estimated at \$11,572. (b) Includes \$8,520.12 on account of Installation, and \$2,769.75 on account of maintenance of Wireless Station. (c) Includes \$42,820.99 on account of Installation, and \$2,213.93 on account of maintenance of Wireless Station. (d) Includes salaries chargeable to Wireless Station, estimated at \$10,466. |
| 1917 | ... | ... | 498,244 83 | Includes \$4,213.57, Temporary War Allowances at Penang. |
| 1918 | ... | ... | 695,252 16 | See Appendix M. |
| 1919 | ... | ... | 591,413 62 | Do. |
| 1920 | ... | ... | 1,209,204 20 | Do. |
| 1921 | ... | ... | 1,889,772 65 | Do. |

APPENDIX O.

RETURN SHOWING NUMBER AND VALUE OF EACH DENOMINATION OF POSTAGE STAMPS, POST CARDS, REGISTERED ENVELOPES,
RED CROSS STAMPS AND INTERNATIONAL REPLY COUPONS SOLD IN THE STRAITS SETTLEMENTS.

| Years. | 1 Cent. | 2 Cents. | 3 Cents. | 4 Cents. | 5 Cents. | 6 Cents. | 8 Cents. | 10 Cents. | 21 Cents. | 25 Cents. | 30 Cents. | 45 Cents. | 50 Cents. | \$1 | \$2 | \$5 | \$25 | \$100 | \$500 |
|--------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|--------|--------|------|-------|-------|
| 1913 | 3,938,121 | ... | 3,700,229 | 2,945,679 | 550,252 | ... | 688,894 | 844,167 | 161,994 | 71,588 | 124,485 | 36,600 | 97,955 | 41,392 | 20,282 | 22,195 | 140 | ... | ... |
| 1914 | 3,821,910 | ... | 3,541,266 | 5,159,988 | 478,916 | ... | 609,529 | 725,954 | 161,240 | 66,324 | 110,624 | 33,260 | 87,284 | 35,845 | 18,687 | 19,810 | 86 | ... | ... |
| 1915 | 3,513,851 | ... | 3,442,298 | 3,019,355 | 454,820 | ... | 580,472 | 701,887 | 96,920 | 65,926 | 118,768 | 42,494 | 82,487 | 39,012 | 21,133 | 18,013 | 60 | ... | ... |
| 1916 | 3,931,921 | ... | 3,937,729 | 3,383,914 | 462,992 | ... | 656,549 | 798,393 | 161,727 | 70,599 | 134,169 | 44,670 | 93,009 | 47,397 | 23,045 | 20,265 | 114 | ... | ... |
| 1917 | 4,242,883 | ... | 4,146,966 | 3,269,793 | 431,741 | ... | 723,442 | 824,996 | 170,583 | 75,583 | 149,501 | 50,111 | 98,409 | 55,497 | 26,594 | 24,619 | 173 | ... | ... |
| 1918 | 6,261,850 | ... | 624,483 | 6,520,367 | 537,597 | ... | 153,596 | 1,632,532 | 201,474 | 88,373 | 184,093 | 56,968 | 108,724 | 63,959 | 26,706 | 23,989 | 92 | 1 | ... |
| 1919 | 5,019,061 | 26,160 | 614,099 | 7,694,719 | 555,062 | ... | 155,405 | 2,081,134 | 239,149 | 113,476 | 223,030 | 72,619 | 125,530 | 92,336 | 34,803 | 32,392 | 64 | 2 | ... |
| 1920 | 833,250 | 3,784,544 | 339,978 | 8,798,241 | 578,603 | 191,503 | 125,496 | 2,441,701 | 243,226 | 131,780 | 239,401 | 81,881 | 132,913 | 118,977 | 42,594 | 38,978 | 65 | 5 | ... |
| 1921 | 717,327 | 3,539,579 | 482,101 | 8,107,361 | 559,383 | 639,298 | 143,948 | 2,458,245 | 116,281 | 119,107 | 175,056 | 62,786 | 128,345 | 99,749 | 34,204 | 30,373 | 65 | 10 | 1 |

| Years. | Post Cards. | | | | | Registered Envelopes. | | | | | | Stamp Books, \$1 Each | Red Cross Stamps. | | Reply Coupons. | Total Amount, \$ c. |
|--------|-------------|----------|----------|----------|----------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------------------|-------------------|----------|----------------|---------------------|
| | 1 Cent. | 2 Cents. | 3 Cents. | 4 Cents. | 6 Cents. | 11 Cents. | 12 Cents. | 13 Cents. | 14 Cents. | 15 Cents. | 18 Cents. | | 5 Cents. | 6 Cents. | | |
| | | | | | | | | | | | | | | | | |
| 1913 | 290,836 | 6,530 | 28,352 | ... | 1,142 | 49,369 | 3,553 | 986 | ... | ... | ... | ... | ... | 900 | 796,428 67 | |
| 1914 | 280,579 | 4,310 | 29,320 | ... | 1,205 | 41,855 | 3,360 | 1,250 | ... | ... | ... | ... | ... | 1,200 | 741,950 36 | |
| 1915 | 330,301 | 3,785 | 38,360 | ... | 355 | 41,450 | 4,070 | 1,325 | ... | ... | ... | ... | ... | 1,000 | 714,193 97 | |
| 1916 | 395,970 | 23,500 | 41,880 | ... | 365 | 43,642 | 4,501 | 1,060 | ... | ... | ... | 1,120 | ... | 800 | 816,838 12 | |
| 1917 | 524,300 | 3,965 | 53,690 | ... | 710 | 264 | 42,950 | 4,400 | 1,455 | ... | ... | 10,134 | 36,896 | 130 | 894,786 59 | |
| 1918 | 26,650 | 333,680 | 46,140 | ... | 1,300 | ... | 44,635 | 3,375 | 1,580 | ... | ... | 7,760 | 606 | ... | 1,016,158 24 | |
| 1919 | ... | 391,040 | 49,450 | ... | 1,070 | ... | 34,365 | 19,500 | 440 | 3,100 | 1,310 | 11,870 | ... | 2,300 | 1,238,804 98 | |
| 1920 | ... | 377,658 | 31,340 | 14,130 | ... | ... | 32,058 | 36,695 | ... | 6,725 | 2,755 | 17,866 | ... | 2,400 | 1,438,442 70 | |
| 1921 | ... | 394,000 | 2,150 | 28,742 | ... | ... | 36,568 | 33,929 | ... | 6,550 | 3,070 | 23,260 | ... | 2,700 | 1,305,713 66 | |

PRISONS.

OFFICE OF THE INSPECTOR OF PRISONS,
SINGAPORE, 8th May, 1922.

CRIMINAL PRISONS.

1. The total number of prisoners in 1921 in the Criminal Prisons of the Colony was:—

| <i>In Prisons on 1st Jan., 1921.</i> | <i>Received during 1921.</i> | <i>Discharged, etc., during 1921.</i> | <i>Remaining on 31st Dec., 1921.</i> |
|--|----------------------------------|---|--|
| 835 | 4,988 | 4,845 | 978 |

2. The daily averages in the three Criminal Prisons of Singapore, Penang and Malacca, for the last three years, have been as follows:—

| | | | 1919. | 1920. | 1921. |
|-----------|-----|-----|-------|-------|-------|
| | | | — | — | — |
| Singapore | ... | ... | 673 | 543 | 727 |
| Penang | ... | ... | 162 | 147 | 156 |
| Malacca | ... | ... | 38 | 45 | 34 |
| | | | 873 | 835 | 917 |

3. The sentences inflicted on the prisoners received in the Central Prisons in Singapore, Penang and Malacca during the year were:—

| | | | | |
|---|-----|-----|-----|-------|
| (a) Ten days or less | ... | ... | ... | 1,311 |
| (b) Over ten days and up to one month | ... | ... | ... | 1,668 |
| (c) „ one month and up to three months | ... | ... | ... | 1,099 |
| (d) „ three months and up to six months | ... | ... | ... | 448 |
| (e) „ six months and not exceeding one year | ... | ... | ... | 88 |
| (f) „ one year | ... | ... | ... | 182 |
| (g) Condemned to death and executed | ... | ... | ... | 2 |
| (h) Condemned | ... | ... | ... | 6 |
| | | | | 4,804 |

4. Twenty-five (25) prisoners, judged to be less than 18 years old, were received during the year. They were kept isolated, as far as possible, from other prisoners.

5. On the 31st December, 1921, there were only twenty-nine (29) long-sentence prisoners with more than two previous convictions of over six months. They were either British subjects or men unlawfully returning from banishment.

6. The amount realised from the sale of prison manufactures was \$1,146.85. In addition to this, articles were supplied to Government Departments to the estimated value of \$8,545.90.

7. The total expenditure from prison votes was \$457,187.07 against an estimate of \$411,782.00

Escapes.

8. There were four escapes, one from Singapore, three from Penang Prisons and none from Malacca. The one from Singapore Prison was by a short-sentence prisoner who had two months and seven days more to serve out of a sentence of three months. Of the three from Penang, one was a short-sentence prisoner who has since been reported to have been arrested at Hongkong where he is now undergoing a long term of imprisonment for forgery. The other two were long-sentence prisoners who jumped over-board while on the way from Penang to Singapore, and were never seen again.

CIVIL PRISONS.

9. The number in the Civil Prisons were as follows:—

| <i>Remaining on 1st Jan., 1921.</i> | <i>Received during 1921.</i> | <i>Discharged, etc., during 1921.</i> | <i>Remaining on 31st Dec., 1921.</i> |
|---|----------------------------------|---|--|
| 146 | 8,092 | 8,043 | 195 |

10. The daily averages for the last three years were:—

| | | | 1919. | 1920. | 1921. |
|-----------|-----|-----|-------|-------|-------|
| Singapore | ... | ... | 107 | 113 | 123 |
| Penang | ... | ... | 24 | 23 | 28 |
| Malacca | ... | ... | 6 | 7 | 14 |
| | | | 137 | 143 | 165 |

Houses of Detention.

11. The European Block (Criminal Prison) in Singapore, the Civil Prisons in Penang and Malacca were used as Houses of Detention for Vagrants during the year.

The numbers are given below:—

| <i>Remaining on 1st January, 1921.</i> | <i>Received during 1921.</i> | <i>Discharged, etc., in 1921.</i> | <i>Remaining on 31st December, 1921.</i> |
|--|----------------------------------|---------------------------------------|--|
| 95 | 1,930 | 1,962 | 63 |

Of the 1,962 in the third column 30 died, one thousand seven hundred and ninety-four (1,794) were repatriated, employment was found for forty (40), seventy-seven (77) were transferred to Hospital, two (2) were transferred to the Leper Asylum, three (3) were transferred to the Lunatic Asylum, fourteen (14) were released by order of the Governor and two (2) were transferred to Singapore and Penang Houses of Detention.

Health.

12. The health of the prisoners has been satisfactory.

In Singapore the water-carriage system of sewage disposal has worked satisfactorily during the year.

The Revision Committee.

13. The Committee for the year 1921, composed of the Honourable Mr. FREDERICK SETON JAMES, Colonial Secretary, the Honourable Sir WILLIAM MURISON, Attorney-General, and Lieutenant-Colonel REGINALD SCHOMBERG, the Acting Inspector of Prisons, Straits Settlements, met at the

Colonial Secretary's Office on the 26th August, and dealt with thirty-seven (37) cases. Two (2) prisoners were recommended for release and banishment.

Staff.

14. Lieutenant-Colonel REGINALD SCHOMBERG was in charge of the Prisons of the Colony until 6th September, when Mr. C. G. H. CLARKE relieved him.

On the 10th November I was appointed to officiate as Inspector of Prisons, Straits Settlements.

Mr. G. A. SMITH was in charge of the Penang Prisons until 5th January, when he was transferred to Province Wellesley. Mr. R. SCOTT succeeded him and was in charge throughout the year.

Mr. F. E. COLMAN was in charge of the Malacca Prisons throughout the year. Chief Warder C. J. W. BURT retired on pension, and was succeeded by Senior Warder STEPHEN LITTLEDYKE.

Warder THOMAS WALLEY retired on pension, and Senior Warder ALFRED HEATH, the officer in charge of the Singapore Civil Prison, was granted leave of absence with full salary for eleven months, prior to retirement.

Warders G. WARSOP and S. WRIGHT were seconded for service in Johore, the former to Muar and the latter to Johore Bharu.

15. The reports of the Superintendents of Prisons at Penang, Malacca, Labuan and Christmas Island are appended together with the usual returns.*

J. H. TYTE,
Acting Inspector of Prisons, S. S.

Report on the Singapore Prison for 1921.

CRIMINAL PRISON.

1. The numbers imprisoned in the Criminal Prison were:—

| Class. | In Prison on 1st January, 1921. | Received during 1921. | Discharged, died, etc., during 1921. | Remaining on 31st December, 1921. |
|-----------------------------|--|-----------------------------|---|--|
| Europeans and Eurasians ... | 7 | 29 | 34 | 2 |
| Asiatics | 661 | 3,074 | 2,961 | 774 |
| Total ... | 668 | 3,103 | 2,995 | 776 |

2. Lower-grade prisoners are kept at stone-breaking; the Short-sentence and Revenue-grade are employed at stone-breaking, husk-beating and on fatigue duties. A large proportion of the Upper-grade and all the Middle-grade are employed in industrial labour.

Europeans and Eurasians.

3. Of the twenty-nine (29) admitted, one had a sentence of over one year, sixteen (16) had been sentenced to one year or less, seven (7) were committed in default of payment of fine and five (5) were sentenced to simple imprisonment.

4. The conduct of these prisoners was good, there being only 10 offences amongst them all for the whole year.

* Not printed.

Asiatics.

5. Three thousand and seventy-four (3,074) Asiatics were admitted to the Singapore Criminal Prison.

They fell under the following classification:—

| Grades. | China-born Chinese. | British-born Chinese. | Malays. | Indians. | Others. |
|---------------------|---------------------|-----------------------|---------|----------|---------|
| Revenue-grade ... | 1,469 | 36 | 36 | 90 | 57 |
| Short-sentence ... | 882 | 43 | 45 | 97 | 62 |
| Simple-imprisonment | 53 | 3 | 3 | 7 | 6 |
| Long-sentence ... | 153 | 3 | 13 | 11 | 5 |
| Total ... | 2,557 | 85 | 97 | 205 | 130 |

6. It will be seen that 83 per cent of the whole number admitted are China-born Chinese, and that the number of Straits-born Chinese is only 3 per cent.

7. Of the three thousand and seventy-four (3,074) Asiatic prisoners admitted only ten (10) were females.

8. Seventy-three (73) prisoners came from Penang, seventy-nine (79) from Malacca, four (4) from Johore and two (2) from Christmas Island.

9. Re-convictions numbered 820 as against 660 in 1920 and 702 in 1919.

The percentage of prisoners with previous convictions to the total admissions was 28·11, as against 30·65 in 1920.

10. There were two suicides.

11. There were six executions.

12. Three persons were transferred to the Lunatic Asylum.

13. None were transferred to the Leper Asylum.

14. The conduct of the prisoners continued to improve. Prison offences numbered 613, an average of '84 per head of the daily population as against 550, an average of '87 per head in 1920 and 597, an average of '89 per head in 1919.

There were several minor cases of assault by one prisoner on another.

There were two serious assaults on officers. One of the offenders received from the Judge an additional sentence of penal servitude for life; he committed suicide a couple of months after the life sentence. The other received 18 strokes with a rattan and three months separate confinement awarded by the Visiting Justices.

Health.

15. Dr. MURISON, M.R.C.S. and L.R.C.P. (London), reports that the sanitary condition of the Prison and the health of the prisoners have been satisfactory.

The water-carriage system of sewage disposal has worked satisfactorily during the year.

The Prison has been free from beri-beri (only one case was admitted into hospital, the patient having contracted the disease outside) and scurvy.

There were 8 cases of enteric fever during the year of which unfortunately 7 proved fatal. Stringent precautionary measures were adopted, *e.g.*, through disinfection of all uncooked vegetables, disinfection of all the wells, etc., and as a result no fresh cases occurred during the 4th quarter of the year under review.

Dysentery showed an increase in the number of cases treated. There were 49 admissions to hospital with 6 deaths against 10 and 2 in 1920 and 28 and 9 in 1919. The increase was partly due to the greater number of vagrants admitted during the year and also to the fact that the majority of the cases were "relapses" of the disease contracted outside before admission to the prison.

Tuberculosis accounted for 12 admissions with 4 deaths.

There were 628 admissions to hospital during the year with an average daily sick of 20.42 against 529 and 24.57 in the previous year.

Two European (vagrants) and one Eurasian were admitted to hospital.

There were 41 deaths in hospital of which 16 were Long-sentence, 5 Short-sentence, 5 Revenue-grade, 12 Vagrants, and 3 Civil prisoners. Besides these, there were 3 deaths in the cells, two in the Civil Prison and one in the Criminal Prison. The causes of death being Bright's Disease, chronic gastritis and heart failure.

Dr. GIBBS was the Medical Officer in the beginning of the year when he was relieved by Dr. FITZGERALD who, in his turn, was relieved by Dr. WEBSTER some time in the middle of February.

Dr. MURISON took over from Dr. WEBSTER early in September, 1921.

Works and Buildings.

16. The Association cells in the Civil Prison have been made more secure by replacing the expanded metal ceilings with reinforced concrete. The remaining 15 bathrooms for the Warders' quarters have been completed.

New Sub-warders' quarters are completed and have been in occupation since June last. This now enables the whole of the Native Staff to live in Government Quarters.

Ceilings of A, B, C, D, and E Halls and Hospital have been whitewashed. An extra Ruling and Cutting machine has been added to the Prison Printing Department.

Electric Light.

17. Electric light has been installed throughout the Prison and Warders' Quarters, and has been a great improvement.

Revenue and Expenditure.

18. The Revenue was \$6,489.44 as compared with \$5,714.50 in 1920, and the Expenditure \$344,284.45 as against \$368,931.44 in 1920. It should be noted that the figures given refer only to Prison votes and do not include Public Works Department or Medical charges, nor do they include the 15 and 30 per cent War Bonus.

The daily cost of feeding a prisoner in 1921 was 30 cents, compared with 45 cents in 1920. The decrease is almost wholly due to the cost of rice.

CIVIL PRISON.

19. The numbers in the Civil Prison were:—

| <i>In Prison on 1st Jan., 1921.</i> | <i>Received during 1921.</i> | <i>Discharged, etc., during 1921.</i> | <i>Remaining on 31st Dec., 1921.</i> |
|---|----------------------------------|---|--|
| 94 | 6,205 | 6,156 | 142 |

20. The daily average was 123.
 21. There were five deaths.
 22. There was one suicide.

House of Detention.

23. The European Block which is in the Criminal Prison was used as a House of Detention for Vagrants during the year.

The average daily population was 77.

The numbers are given below:—

| <i>In H. of D. on 1st Jan., 1921.</i> | <i>Received during 1921.</i> | <i>Discharged, etc., during 1921.</i> | <i>Remaining on 31st Dec., 1921.</i> |
|---|----------------------------------|---|--|
| 59 | 1,138 | 1,162 | 35 |

24. Of the 1,162 in the third column 12 died, 1,078 repatriated, employment was found for 21, forty-seven (47) were transferred to the Pauper Hospital, 3 were transferred to the Lunatic Asylum and one was released by order of the Governor.

Of the 1,138 received 8 were Europeans and Eurasians, 871 Chinese, 20 Malays and 239 Indians.

Staff.

25. The duties of the European Warders and the Record Clerks, which have been the heavier by reason of the increase in the number of prisoners, have been well performed.

J. H. TYTE,
*Superintendent,
 Singapore Prison.*

Penang.

PRISONS DEPARTMENT.

ANNUAL REPORT FOR THE YEAR 1921.

1. The number of prisoners undergoing sentence during the year 1921 is shown in the following table.

| CLASS. | In Prison on 1st January, 1921. | Received during the year 1921. | Discharged, died, etc., during the year 1921. | Remaining on 31st December, 1921. |
|-------------------------|--|--------------------------------------|--|--|
| Europeans and Eurasians | 1 | 5 | 5 | 1 |
| Asiatics ... | 113 | 1,529 | 1,468 | 174 |
| Total ... | 114 | 1,534 | 1,473 | 175 |

2. Fifty-eight Long-sentence, 13 Short-sentence, 1 Revenue-grade and one Simple-imprisonment were transferred to Singapore Prison during the year, as compared with 51 Long-sentence, 31 Short-sentence and 3 Revenue-grade prisoners in 1920.

3. The total daily average was 156'42, as against 147'66 in 1920 and 162'75 in 1919.

Europeans and Eurasians.

4. Five were received during the year, the daily average being '47.

Asiatics.

5. *Females*.—The daily average during the year was 3'81, as against 2'37 in 1920 and 1'71 in 1919.

6. *Males*.—The daily average during the year was 152'14, as against 147'28 in 1920 and 161'04 in 1919.

7. The total number of prison offences was 106, as against 177 in 1920 and 331 in 1919.

8. The punishment of whipping was not ordered in any of the cases.

Suicides.

9. One suicide occurred, a Chinese vagrant hanging himself in his cell.

Executions.

10. There was no execution during the year.

Hospital.

11. There were 351 admissions to the Hospital. Two deaths occurred among the criminals and 15 among the vagrants including 1 death outside the hospital and 1 suicide.

Revenue and Expenditure.

12. The expenditure for the year was \$83,394.34 and revenue \$830.92.

Staff.

13. Mr. G. A. SMITH was in charge until 5th January, when he was transferred to Province Wellesley. Mr. R. SCOTT succeeded him and was in charge throughout the year.

General.

14. The admissions to the Lock-ups of the Settlement were as follows:—

| | | | | |
|--------------------|-----|-----|-----|-----|
| Under sentence ... | ... | ... | ... | 138 |
| On remand ... | ... | ... | ... | 352 |

15. The number of admissions to Prison shows an increase of 384 on 1920, total being 1,534.

16. The total number of re-convictions was 370, as against 214 in 1920 and 311 in 1919.

17. The number banished from Penang was 67, as compared with 44 in 1920, and 62 in 1919.

18. The quantity of stone broken was 2,445 cubic yards, as against 2,814 in 1920 and 1,486 in 1919.

Civil Prison.

19. The daily average was 28'71.

House of Detention.

20. 341 vagrants were committed during the year, 343 were repatriated, 2 found employment, 1 transferred to Singapore Prisons, 1 committed suicide, 2 transferred to Leper Asylum, 14 died and 4 were remaining on 31st December, 1921.

R. SCOTT,
Superintendent of Prisons,
Penang.

Malacca Prisons.

ANNUAL REPORT FOR THE YEAR 1921.

1. Expenditure exclusive of salaries rose by about 23 per cent through the increase in vagrancy from 103 to 451, caused by the slump.

The prison was from June 1st made a place of confinement for convicted prisoners with sentences not exceeding three months, longer sentences being sent to Singapore.

CRIMINAL PRISON.

2. The total number of prisoners imprisoned in the Criminal Prison during the year 1921 was as under:—

| Nationality. | In Prison on 1st January, 1921. | Received during the year 1921. | Discharged, died, etc., during the year 1921. | Remaining on 31st December, 1921. |
|-------------------------|--|--------------------------------------|--|--|
| Europeans and Eurasians | ... | 2 | 2 | ... |
| Asiatics | 53 | 349 | 375 | 27 |
| Total ... | 53 | 351 | 377 | 27 |

The total daily average was 34.11 against 45.64 in 1920.

Female Prisoners.

3. There were 5 received during the year.

Prison Offences.

4. There were none, as against 2 in 1920.

CIVIL PRISON.

5. The total number of prisoners who passed through the Civil Prison during the year 1921 was as under:—

| — | In Prison on 1st January, 1921. | Received during the year 1921. | Discharged, died, etc., during the year 1921. | Remaining on 31st December, 1921. |
|---|--|--------------------------------------|--|--|
| Safe custody—European and Eurasian ... | ... | 1 | 1 | ... |
| Debtors | ... | ... | ... | ... |
| Safe custody—Asiatics ... | 13 | 351 | 331 | 33 |
| Do. Debtors ... | ... | 2 | 2 | ... |
| Total ... | 13 | 354 | 334 | 33 |

Daily average was 14.35, as against 7.26 in 1920.

Health.

6. The health of the prisoners was good.

Assaults and Escapes, etc.

Nil.

Suicide.

There was one Chinese named LOW CHAK.

Female Prisoners.

There was 1 received during the year.

E. E. COLMAN,
Superintendent of Prisons,
Malacca.

Labuan Prison.

ANNUAL REPORT FOR THE YEAR 1921.

1. Total number of prisoners dealt with:—

| | | | In Prison on 1st January, 1921. | Received during the year 1921. | Discharged during the year 1921. | Remaining on 31st December, 1921. |
|----------|-----|-----|--|---|---|--|
| Criminal | ... | ... | 6 | 30 | 23 | 13 |
| Civil | ... | ... | ... | ... | ... | ... |
| Total | | | 6 | 30 | 23 | 13 |

2. There were no European prisoners.
3. Conduct, "Good".
4. Health of prisoners, "Good".
5. Prison offences, "Nil".
6. Daily average of prisoners was 9.72.

Staff.

7. Warder (one).
8. Clerk (one).

No complaint as to their work.

H. J. ELEY,
Superintendent of Prisons,
Labuan.

Christmas Island.

ANNUAL REPORT FOR THE YEAR 1921.

CRIMINAL PRISON.

I.

| <i>In Prison on 1st January, 1921.</i> | <i>Admitted in 1921.</i> | <i>Released in 1921.</i> | <i>In Prison 31st December, 1921.</i> |
|--|----------------------------------|----------------------------------|---|
| — | — | — | — |
| Nil. | 4. | 4. | Nil. |

Two Chinese out of the above 4 after doing 6 days in Christmas Island Prison were sent to Singapore Jail where they arrived on 24th September, 1921 to complete their terms of imprisonment, to wit, one month's rigorous imprisonment.

There were no prisoners of other nationalities and no female prisoners during the year.

2. Civil Prison—Nil.

3. The health of the prisoners was good, none were sent to hospital.

4. There were no offences against prison discipline.

5. The Sikh Police acted as warders throughout the year.

6. The total expenditure during 1921, for both Civil and Criminal Prisons, was \$85; nothing was earned, under the heading reimbursements, by the prisoners.

N. L. LINDON,

District Officer,

Christmas Island.

[No. 3786/22.]

REPORT ON THE WORKING OF THE CURRENCY DEPARTMENT.

Currency Notes.

1. The face value of the notes in circulation at the end of 1921 was \$84,596,806.90 as compared with \$101,587,186.80 at the end of the previous year, thus showing a decrease of \$16,990 379.90 or about 16.7 per cent in the year under review.

2. The average circulation of currency notes in 1921 and 1920, calculated from the published average monthly circulation, was \$88,440,550 and \$141,669,919, respectively, a decrease of 37.8 per cent in 1921.

3. There was a general decrease in circulation during the year, and this was noticeable also in the case of notes of the smaller denomination. Ten and twenty-five-cent notes in circulation decreased from \$3,364,534.80 worth at the end of 1920 to \$2,422,277.90 worth at the end of 1921, a decrease of \$1,338,626.90.

Silver Coins.

4. The amount of standard coin (dollars and fifty-cent pieces) returned to the Commissioners during the year under review exceeded the issues by \$106,584.85, but a sum of \$100,000 was issued from the Treasury out of surplus coin received from the Mint, thus making a net decrease of \$6,584.85 of standard coin in circulation. The circulation of subsidiary silver decreased during the same period by \$428,363.

Joint Circulation.

5. The circulation of currency notes and standard coins at the end of 1921 was \$91,073,225.47 as compared with \$108,070,190.22 at the end of 1920, a decrease of \$16,996,964.75.

6. During the year 1921 bank-notes, issued by local banks, were withdrawn from circulation to the amount of \$3,258, leaving a balance of \$149,951 of such notes still in circulation at the end of the year.

Denominations of Notes.

7. The number of notes in circulation at the end of 1921 was 42,810,287 as compared with 59,986,355 at the end of the previous year.

8. The numbers of the various denominations of notes were:—

| | | | | |
|----------------------------|-----|-----|-----|------------|
| Ten-cent notes ... | ... | ... | ... | 23,857,029 |
| Twenty-five-cent notes ... | ... | ... | ... | 146,300 |
| \$1 notes ... | ... | ... | ... | 12,504,709 |
| 5 „ ... | ... | ... | ... | 2,890,220 |
| 10 „ ... | ... | ... | ... | 3,274,192 |
| 50 „ ... | ... | ... | ... | 70,308 |
| 100 „ ... | ... | ... | ... | 53,964 |
| 1,000 „ ... | ... | ... | ... | 13,565 |
| | | | | 42,810,287 |

9. In value, the various denominations of notes were represented in the circulation at the end of 1921 as follows:—

| | | | | | |
|------------------------|-----|-----|-----|-----|-------|
| Ten-cent notes | ... | ... | ... | ... | 2'82 |
| Twenty-five-cent notes | ... | ... | ... | ... | '04 |
| \$1 notes | ... | ... | ... | ... | 14'78 |
| 5 „ | ... | ... | ... | ... | 17'08 |
| 10 „ | ... | ... | ... | ... | 38'70 |
| 50 „ | ... | ... | ... | ... | 4'16 |
| 100 „ | ... | ... | ... | ... | 6'38 |
| 1,000 „ | ... | ... | ... | ... | 16'04 |

10. The following table shows, in value, the percentages of each denomination of notes in the total average circulation of each of the past five years:—

| <i>Denomination.</i> | | 1917. | 1918. | 1919. | 1920. | 1921. |
|------------------------|-----|---------------|-------|-------|-------|-------|
| — | | % | % | % | % | % |
| Ten-cent notes | ... | Under '05% | '7 | '76 | 1'66 | 3'69 |
| Twenty-five-cent notes | ... | — | '2 | '10 | '03 | '04 |
| \$1 notes | ... | 11'1 | 13'6 | 13'50 | 15'34 | 16'72 |
| 5 „ | ... | 19'4 | 18'3 | 17'30 | 18'56 | 17'69 |
| 10 „ | ... | 33'9 | 33'2 | 34'58 | 32'50 | 36'13 |
| 50 „ | ... | 3'5 | 2'9 | 2'39 | 3'99 | 4'09 |
| 100 „ | ... | 5'9 | 6'3 | 5'05 | 5'55 | 6'41 |
| 1,000 „ | ... | 26'2 | 24'8 | 26'32 | 22'37 | 15'23 |

Cancellation of Notes.

11. At the beginning of the year the number of cancelled notes awaiting destruction was 5,198,581. During the year a further 15,686,163 notes were cancelled, making a total of 20,884,744 cancelled notes for destruction. Of this total 8,623,585 were destroyed, leaving a balance of 12,261,189 remaining for destruction at the end of the year.

12. The number of notes destroyed during the year totalled 8,623,555 against 4,118,343 destroyed in the preceding year.

The figures are as follows:—

| <i>Denomination.</i> | | 1920. | 1921. |
|------------------------|-----|-----------|-----------|
| — | | — | — |
| Ten-cent notes | ... | 2,000,000 | 6,500,000 |
| Twenty-five-cent notes | ... | 782,000 | 257,000 |
| \$1 notes | ... | 685,547 | 694,203 |
| 5 „ | ... | 289,370 | 736,300 |
| 10 „ | ... | 349,200 | 424,300 |
| 50 „ | ... | 9,220 | 8,080 |
| 100 „ | ... | 2,900 | 3,625 |
| 1,000 „ | ... | 106 | 47 |
| Total | ... | 4,118,343 | 8,623,555 |

13. The special measures which have been taken for destruction of notes of less value than \$1 have made it possible to deal with such notes more expeditiously than with those of higher value. Notes of all denominations were returned to the Treasury in such numbers, however, that the balances awaiting destruction at the end of the year greatly increased in comparison with those at the end of 1920. Further simplification of the process of destruction of ten-cent notes is consequently being introduced.

Reserved Coin.

14. The coin portion of the Note Guarantee Fund amounted on the 31st December, 1921, to \$37,407,345.74 or 44.22 per cent of the value of the notes in circulation on that day. The corresponding proportion at the end of the previous year was 53.38 per cent.

15. Of the Coin Reserve at the end of the year \$8,629,793 in legal tender silver, 10 cents in subsidiary silver pieces and eight cents copper, and £328,251 (\$2,813,580) in gold were held by the Currency Commissioners and £3,029,130-2-8 (\$25,963,972.56) by the Crown Agents on the Commissioners' account. The local silver holding was thus only 10.2 per cent of the value of the notes in circulation on the 31st December, 1921, while the total local coin holding was 13.53 per cent of the notes in circulation.

Coin Receipts and Issues.

16. There was no change in the local gold holding, the amount held remaining at the end of the year at £328,251, as before.

17. Telegraphic Transfers to the extent of £1,975,000 were sold during the year and the profits amounting to \$152,509.61 were duly credited to the Gold Standard Reserve Fund.

18. Two hundred and ninety-four thousand six hundred and ninety-two dollars and eighty-four cents in dollars (and subsidiary coin) were received at the vault in exchange for notes and gold, and \$188,107.99 similarly issued giving a net increase in the silver (and subsidiary coin) in the vault of \$106,584.85 during the year. This increase when added to the balance of \$8,523,208.33 brought forward from 1920 leaves a balance of \$8,629,793.18 at the close of the year under review.

Active Circulation of Notes and Silver.

19. The gross circulation of notes at the end of the year was \$84,596,806.90 of which the Government Treasuries in the Colony and Federated Malay States held \$694,875.60 giving the net circulation as \$83,901,931.30, while the Banks held \$24,753,476.80 of them showing the active note circulation at the end of the year to be \$59,148,454.50 as compared with \$72,653,676.95 at the end of the previous year.

20. A statement is attached, Appendix D, showing the results of the re-minting of standard coin, that is, Straits dollars and 50-cent pieces, completed during the year under review. It will be seen from that statement that the active circulation of standard coin at the end of the year 1921 was \$6,181,491.07.

21. The active circulation of

| | | | \$ | c. |
|-------------------------------------|----------------|-----|------------|-------|
| | currency notes | ... | 59,148,454 | 50 |
| | and coin | ... | 6,181,491 | 07 |
| | | | | <hr/> |
| at the end of 1921 thus amounted to | ... | ... | 65,329,945 | 57 |
| | | | | <hr/> |

22. The following table gives the gross, net and active circulation (notes and silver combined) at the end of each year from 1914 onwards:—

| 31st December. | | | | Gross Circulation. | Net Circulation. | Active Circulation. |
|----------------|-----|-----|-----|-----------------------|---------------------|------------------------|
| | | | | \$ c. | \$ c. | \$ c. |
| 1914 | ... | ... | ... | 54,608,932 00 | 54,016,510 50 | 36,247,209 50 |
| 1915 | ... | ... | ... | 63,438,883 00 | 62,830,475 50 | 44,497,496 00 |
| 1916 | ... | ... | ... | 74,753,169 00 | 74,201,939 00 | 55,012,863 50 |
| 1917 | ... | ... | .. | 93,703,406 60 | 93,080,576 90 | 57,480,274 10 |
| 1918 | ... | ... | ... | 93,711,847 40 | 93,149,775 75 | 65,213,467 15 |
| 1919 | ... | ... | ... | 181,056,221 68 | 180,449,469 78 | 97,830,816 58 |
| 1920 | ... | ... | ... | 108,070,190 22 | 107,458,133 32 | 78,832,207 37 |
| 1921 | ... | ... | ... | 91,073,225 47 | 90,341,048 37 | 65,329,945 57 |

23. The above table shows that circulation reached its highest point in 1919, and since then has steadily decreased. The figures for 1921 are not very widely different from those for 1917 and 1918. It will also be noticed that the difference between 1920 and 1921 in gross circulation is small compared with that between 1919 and 1920.

Subsidiary Silver.

24. The total amount of new subsidiary silver coin not withdrawn from circulation at the end of 1921 was \$5,624,733.15 of which \$2,540,204 were of 400 fine and \$3,084,529.15 of 600 fine.

25. During the year 1921 no further subsidiary silver was received from the Mint. A final settlement of the amount due to the Gold Standard Reserve Fund on account of profit on coinage of subsidiary silver will be made in due course.

26. The balance of old subsidiary silver (800 fine) at the beginning of the year, after deducting the amount used for re-coinage and the amount sold through the Crown Agents was \$7,659.30. A further \$83,670 was withdrawn from circulation during the year, making a total of \$91,329.30 now lying in the Treasuries.

27. The total amount of all subsidiary silver coin (800 fine) which was nominally in circulation at the beginning of the year was \$3,894,800.20. This figure was reduced by the end of the year to \$3,811,130.20.

28. The total value of subsidiary silver coin of all kinds in circulation at the end of 1921 was, thus, nominally \$9,435,863.35. It is still thought, however, that during the period that a high price was obtainable for silver a considerable portion of this coin was exported from the Colony.

Nickel Coin.

29. A new nickel five-cent coin was introduced into circulation during the year. The total amount of this coin minted was \$1,000,000 worth, and of this amount \$215,800 worth was put into circulation by the end of the year, the balance remaining in the Treasury.

Copper Coin.

30. The copper coin in circulation at the end of the year is estimated to be of the nominal value of \$2,770,168 as compared with \$2,683,648 at the close of the year 1920. The slight difference is due to further issues. No copper coin was imported during the year.

Total Circulation.

31. The total value of currency notes, bank-notes, legal tender silver, subsidiary silver, nickel and copper in circulation in the currency area at the end of 1921 was \$103,645,007.82.

Re-minting.

32. The minting of the new Straits dollars and fifty-cent pieces of 500 fineness was completed in April, 1921. The total numbers received from the Mint were 10,048,000 dollars and 6,383,379 fifty-cent pieces.

Exchange.

33. The following table shows the maximum and minimum demand rates for each month, Sterling and Rupee, and the maximum and minimum spot price of silver during 1921 :—

| MONTH. | STERLING. | | RUPEES. | | BAR SILVER. | |
|---------------|------------------------|--------------------|------------------|------------------|-----------------|-----------------|
| | | | | | | |
| | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. |
| January, 1921 | ... $2/3\frac{3}{4}$ | $2/3\frac{3}{32}$ | 159 | 147 | $42\frac{1}{2}$ | $36\frac{3}{4}$ |
| February „ | ... $2/3\frac{25}{32}$ | $2/3\frac{11}{16}$ | 178 | 160 | $37\frac{3}{4}$ | $31\frac{3}{8}$ |
| March „ | ... $2/3\frac{13}{16}$ | $2/3\frac{3}{4}$ | 180 | 172 | $34\frac{1}{8}$ | $30\frac{1}{2}$ |
| April „ | ... $2/4$ | $2/3\frac{13}{16}$ | 175 | 173 | $36\frac{1}{2}$ | $32\frac{1}{2}$ |
| May „ | ... $2/3\frac{13}{16}$ | $2/3\frac{23}{32}$ | 180 | $174\frac{1}{2}$ | $35\frac{1}{2}$ | $33\frac{1}{8}$ |
| June „ | ... $2/3\frac{23}{32}$ | $2/3\frac{11}{16}$ | 180 | 176 | $35\frac{3}{4}$ | $33\frac{1}{2}$ |
| July „ | ... $2/3\frac{13}{16}$ | $2/3\frac{11}{16}$ | $179\frac{1}{2}$ | $178\frac{1}{2}$ | $39\frac{1}{2}$ | $35\frac{1}{4}$ |
| August „ | ... $2/3\frac{27}{32}$ | $2/3\frac{3}{4}$ | 179 | 160 | $39\frac{1}{8}$ | $36\frac{1}{4}$ |
| September „ | ... $2/3\frac{31}{32}$ | $2/3\frac{13}{16}$ | 164 | 154 | $43\frac{3}{8}$ | $37\frac{3}{4}$ |
| October „ | ... $2/4$ | $2/3\frac{29}{32}$ | 166 | 156 | $42\frac{7}{8}$ | $39\frac{1}{8}$ |
| November „ | ... $2/3\frac{29}{32}$ | $2/3\frac{7}{8}$ | 173 | 166 | $40\frac{3}{4}$ | $37\frac{3}{8}$ |
| December „ | ... $2/3\frac{7}{8}$ | $2/3\frac{27}{32}$ | 174 | 172 | $37\frac{5}{8}$ | $34\frac{1}{2}$ |

The price of silver on the 31st December, 1921, was $34\frac{3}{4}d.$ per ounce as compared with $41\frac{3}{4}d.$ at the end of 1920 and $76\frac{1}{4}d.$ at the end of 1919.

The Note Guarantee Fund before War and at 31st December, 1920 and 1921.

34. The following table exhibits the currency position on July 31st, 1914, just prior to the outbreak of war, on the 31st December, 1920, and again on the 31st December, 1921.

| | July 31st, 1914. | December 31st, 1920. | December 31st, 1921. |
|---|---------------------|-------------------------|-------------------------|
| | \$ c. | \$ c. | \$ c. |
| NOTES IN CIRCULATION ... | 43,834,548 00 | 101,587,186 80 | 84,596,806 90 |
| COIN PORTION NOTE GUARANTEE FUND. | | | |
| Silver held locally ... | 12,536,059 90 | 8,523,208 33 | 8,629,793 18 |
| <i>Percentage of Note Circulation</i> ... | 28 59% | 8 39% | 10 20% |
| Gold held locally ... | 2,514,085 71 | 2,813,580 00 | 2,813,580 00 |
| <i>Percentage of Note Circulation</i> ... | 5 73 " | 2 77 " | 3 33 " |
| Coin held locally ... | 15,050,145 61 | 11,336,788 33 | 11,443,373 18 |
| <i>Percentage of Note Circulation</i> ... | 34 32 " | 11 16 " | 13 53 " |
| Gold held by the Crown Agents ... | 9,474,657 10 | 42,892,543 99 | 25,963,972 56 |
| <i>Percentage of Note Circulation</i> ... | 21 61 " | 42 22 " | 30 69 " |
| TOTAL COIN PORTION ... | 24,524,802 71 | 54,229,332 32 | 37,407,345 74 |
| <i>Percentage of Note Circulation</i> ... | 55 93 " | 53 38 " | 44 22 " |
| INVESTMENT PORTION. | | | |
| Value of Securities at Market prices ... | 19,041,656 52 | 43,731,892 30 | 50,425,384 46 |
| <i>Percentage of Note Circulation</i> ... | 43 44 " | 43 05 " | 59 60 " |
| Held by Colony pending investment on account of Currency Commissioners ... | 435,142 60 | 2,543,455 20 | 2,138,965 43 |
| <i>Percentage of Note Circulation</i> ... | 0 99 " | 2 50 " | 2 53 " |
| TOTAL NOTE GUARANTEE FUND ... | 44,001,601 83 | 100,504,679 82 | 89,971,695 63 |
| <i>Percentage of Note Circulation</i> ... | 100 36 " | 98 93 " | 106 35 " |

35. The final figure of the table in the last preceding paragraph indicates that the Commissioners, after writing down their securities to market prices for December, 1921, were in a position to pay well over cent per cent of the notes in circulation, without taking into consideration the Gold Standard Reserve Fund. This fund was worth nearly \$14,000,000 at the end of the year 1921.

36. The total resources of the Currency Commissioners at the end of the year amounted to \$103,908,168.56 as against notes in circulation to the value of \$84,596,806.90.

Appendices.

37. The following returns are appended:—

Appendix A gives the value and number of each denomination of notes in circulation at the conclusion of each month and the average total circulation during each month, and also shows similar figures for the last month of 1920 for comparative purposes.

Appendix B is a consolidated working account showing the Income and Expenditure of each of the three Funds, the Note Guarantee, the Depreciation and the Gold Standard Reserve Fund.

Appendix C shows that the excess of assets over liabilities at the end of 1921 was £1,174,743-16-7 as compared with £754,285-8-4 at the end of 1920, in spite of the drop in the price of silver from 41 $\frac{3}{4}$ d. to 34 $\frac{3}{4}$ d. The increase is attributed to savings on income, profits on Telegraphic Transfers, and the all-round rise in the market value of gilt-edged investments in 1921.

Appendix D shows the results of the re-minting of Standard silver coins, as completed in 1921.

A. M. POUNTNEY,

Treasurer,

Straits Settlements.

THE TREASURY,
SINGAPORE, 14th July, 1922. [No. 5747/22].

APPENDIX A.

CURRENCY NOTE ISSUE.

Table showing the Value of Currency Notes in Circulation on the last Day of each Month and the Average Circulation for each Month.

| DATE. | 10-ct. Notes. | | 25-ct. Notes. | | \$1 Notes. | | \$5 Notes. | | \$10 Notes. | | \$50 Notes. | | \$100 Notes. | | \$1,000 Notes. | | TOTAL. | | Average Circulation for each month. | |
|-----------|---------------|--------------|---------------|--------|------------|------------|------------|------------|-------------|------------|-------------|-----------|--------------|-----------|----------------|------------|------------|---------------|-------------------------------------|----|
| | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | | |
| | | | | | | | | | | | | | | | | | | | | |
| 1921. | | \$ | c. | | \$ | | \$ | | \$ | | \$ | | \$ | | \$ | | \$ | c. | \$ | c. |
| Jan. ... | 34,932,848 | 3,493,284 80 | 155,600 | 38,900 | 17,957,707 | 17,957,707 | 3,763,919 | 18,819,595 | 3,539,895 | 35,398,950 | 78,135 | 3,906,750 | 62,698 | 6,269,800 | 10,587 | 10,587,000 | 60,501,389 | 96,471,986 80 | 100,006,054 54 | |
| Feb. ... | 37,370,848 | 3,737,084 80 | 155,600 | 38,900 | 17,434,707 | 17,434,707 | 3,582,319 | 17,911,595 | 3,294,395 | 32,943,950 | 75,743 | 3,787,150 | 58,349 | 5,834,900 | 13,061 | 13,061,000 | 61,985,022 | 94,749,286 80 | 95,168,701 09 | |
| Mar. ... | 37,524,848 | 3,752,484 80 | 152,600 | 38,150 | 16,280,707 | 16,280,707 | 3,390,719 | 16,953,595 | 3,186,695 | 31,866,950 | 72,039 | 3,601,950 | 58,530 | 5,853,000 | 13,831 | 13,831,000 | 60,679,969 | 92,177,836 80 | 93,339,136 80 | |
| April ... | 36,608,448 | 3,660,844 80 | 151,600 | 37,900 | 15,361,707 | 15,361,707 | 3,128,119 | 15,640,595 | 3,138,895 | 31,388,950 | 70,366 | 3,518,300 | 57,292 | 5,729,200 | 16,852 | 16,852,000 | 58,533,279 | 92,189,496 80 | 92,184,969 47 | |
| May ... | 35,378,948 | 3,537,894 80 | 151,100 | 37,775 | 14,843,709 | 14,843,709 | 2,993,420 | 14,967,100 | 2,957,011 | 29,570,110 | 68,400 | 3,420,000 | 54,834 | 5,483,400 | 14,250 | 14,250,000 | 56,461,672 | 86,109,988 80 | 89,303,716 32 | |
| June ... | 33,847,948 | 3,384,794 80 | 151,100 | 37,775 | 14,208,709 | 14,208,709 | 2,888,220 | 14,441,100 | 2,893,411 | 28,934,110 | 69,292 | 3,464,600 | 55,196 | 5,519,600 | 15,026 | 15,026,000 | 54,128,902 | 85,016,688 80 | 85,447,753 80 | |
| July ... | 32,338,948 | 3,233,894 80 | 150,100 | 37,525 | 14,158,709 | 14,158,709 | 2,957,620 | 14,788,100 | 3,064,011 | 30,640,110 | 71,929 | 3,596,450 | 56,176 | 5,617,600 | 12,089 | 12,089,000 | 52,809,482 | 84,161,388 80 | 84,376,821 06 | |
| Aug. ... | 31,227,548 | 3,122,754 80 | 150,100 | 37,525 | 13,726,709 | 13,726,709 | 2,948,220 | 14,741,100 | 3,108,620 | 31,086,200 | 70,793 | 3,539,650 | 54,914 | 5,491,400 | 12,417 | 12,417,000 | 51,299,321 | 84,162,338 80 | 84,160,948 80 | |
| Sept. ... | 29,296,048 | 2,929,604 80 | 149,100 | 37,275 | 13,522,709 | 13,522,709 | 2,920,020 | 14,600,100 | 3,138,492 | 31,384,920 | 72,129 | 3,606,450 | 55,364 | 5,536,400 | 12,645 | 12,645,000 | 49,166,507 | 84,262,458 80 | 84,169,102 13 | |
| Oct. ... | 28,181,029 | 2,818,102 90 | 149,100 | 37,275 | 13,104,709 | 13,104,709 | 2,863,220 | 14,316,100 | 3,215,692 | 32,156,920 | 72,299 | 3,614,950 | 53,714 | 5,371,400 | 12,847 | 12,847,000 | 47,652,610 | 84,266,456 90 | 84,264,166 76 | |
| Nov. ... | 27,401,029 | 2,740,102 90 | 147,100 | 36,775 | 12,830,709 | 12,830,709 | 2,902,820 | 14,514,100 | 3,210,192 | 32,101,920 | 70,369 | 3,518,450 | 53,674 | 5,367,400 | 13,155 | 13,155,000 | 46,629,048 | 84,264,456 90 | 84,265,523 57 | |
| Dec. ... | 23,857,029 | 2,385,702 90 | 146,300 | 36,575 | 12,504,709 | 12,504,709 | 2,890,220 | 14,451,100 | 3,274,192 | 32,741,920 | 70,308 | 3,515,400 | 53,964 | 5,396,400 | 13,565 | 13,565,000 | 42,810,287 | 84,596,806 90 | 84,599,710 13 | |

Table showing same Figures at close of last Two Years.

| YEAR. | 10-ct. Notes. | | 25-ct. Notes. | | \$1 Notes. | | \$5 Notes. | | \$10 Notes. | | \$50 Notes. | | \$100 Notes. | | \$1,000 Notes. | | TOTAL. | | Average Circulation for December. |
|----------|---------------|--------------|---------------|--------|------------|------------|------------|------------|-------------|------------|-------------|-----------|--------------|-----------|----------------|------------|------------|----------------|-----------------------------------|
| | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | Number. | Value. | |
| | | | | | | | | | | | | | | | | | | | |
| 1920 ... | 33,259,348 | 3,325,934 80 | 155,600 | 38,900 | 18,825,707 | 18,825,707 | 4,000,719 | 20,003,595 | 3,588,495 | 35,884,950 | 79,618 | 3,980,900 | 63,712 | 6,371,200 | 13,156 | 13,156,000 | 59,986,355 | 101,587,186 80 | 105,815,160 19 |
| 1921 ... | 23,857,029 | 2,385,702 90 | 146,300 | 36,575 | 12,504,709 | 12,504,709 | 2,890,220 | 14,451,100 | 3,274,192 | 32,741,920 | 70,308 | 3,515,400 | 53,964 | 5,396,400 | 13,565 | 13,565,000 | 42,810,287 | 84,596,806 90 | 84,599,710 13 |

APPENDIX B.
Working Expenses.

| 1921. RECEIPTS. | RECEIPTS. | | PAYMENTS. | | \$ | c. |
|--|-----------|-----|--|-------------------------|------------|-----|
| | \$ | c. | 1921. | Expenses of Management. | \$ | c. |
| By Balance on 1st January, 1921, Currency Commissioners' Depreciation Fund ... | 2,543,455 | 20 | To Salaries ... | ... | 29,783 | 35 |
| Gold Standard Reserve ... | 6,545,834 | 71 | " Contingent Expenses ... | ... | 1,753 | 81 |
| " Income on Investments ... | ... | . | " Cost of Notes, Safes, etc. ... | ... | ... | ... |
| " Interest on Bank Deposit ... | ... | ... | " Bank of England charges and Crown Agents' commission ... | ... | ... | ... |
| " Profit on Telegraphic Remittances ... | ... | ... | " Transport of coins and notes ... | ... | ... | ... |
| " Refund of Salary, etc. ... | ... | ... | " Cancellation of notes ... | ... | ... | ... |
| " Interest on Treasury Bills ... | ... | ... | " Purchase of Stock, etc. ... | ... | ... | ... |
| " Interest on Advances ... | ... | ... | " Loss on Copper coins ... | ... | ... | ... |
| " Part Excess re-minted coin transferred to Gold Standard Reserve. ... | ... | ... | " Balance on 31st December, 1921 :— | ... | ... | ... |
| | | | Currency Commissioners' Depreciation Fund ... | ... | 2,138,965 | 43 |
| | | | Gold Standard Reserve ... | ... | 6,342,410 | 00 |
| | | | | | ... | ... |
| | | | | | 8,481,375 | 43 |
| | | | | | 13,424,295 | 23 |

THE TREASURY,
SINGAPORE, 14th July, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

* Includes \$29,783.35 being half of the salary of 2 Class I Clerks, 2 Class II Clerks, 2 Class III Clerks, 1 Cashier, 1 Assistant Cashier, 1 Officer in charge of Cancellation Branch, 1 Assistant Officer in charge of Cancellation Branch, 32 Shroffs, 1 Counter and 1 coolie provided on the Establishment and reimbursed by the Commissioners. The other half of these reimbursements is entered under "Salaries."

APPENDIX C.

Position of the Colony in respect of its Note Issue and Silver Coin as ascertained on the 31st December, 1921.

| LIABILITIES. | Amount in Dollars. | Amount in Sterling. | ASSETS. | Nominal Value. | Cost Price Investments. | Value on 31st December, 1921.* |
|---|--------------------|---------------------|---|------------------|-------------------------|--------------------------------|
| | \$ | £ s. d. | | £ s. d. | \$ | £ s. d. |
| Notes in circulation on 31st December, 1921 ... | 84,596,806 90 | 9,869,627 9 5 | NOTE GUARANTEE FUND. | | | |
| New Straits dollars and 50-cent pieces in circulation on 31st December, 1921 (900 fine) ... | 6,129,480 46 | 715,106 1 1 | Coin Portion. | | | |
| New subsidiary silver coin in circulation on 31st December, 1921 (600 fine) ... | 3,084,529 15 | 359,861 14 8 | Gold in Vault | 328,251 0 0 | 2,813,580 00 | 328,251 0 0 |
| Old subsidiary silver coin in circulation on 31st December, 1921 (800 fine) ... | 3,811,130 20 | 444,631 17 1 | Gold with the Crown Agents | 3,029,130 2 8 | 25,963,972 56 | 3,029,130 2 8 |
| New subsidiary silver coin in circulation on 31st December, 1921 (400 fine) ... | 2,540,204 00 | 296,357 2 8 | Silver in the Vault (900 fine) | ... | 708,391 54 | 64,868 1 8 |
| New Straits dollars and 50-cent pieces in circulation on 31st December, 1921 (500 fine) ... | 346,938 11 | 40,476 2 3 | Do. | ... | 7,921,401 64 | 335,819 11 1 |
| Excess of Assets over Liabilities ... | ... | 1,174,743 16 7 | Investment Portion. | | | |
| | | | Securities (Gold) | 5,566,741 9 1 | 46,392,765 96 | 4,482,742 12 7 |
| | | | Do. (Silver) | R. 1,712,200 0 0 | 1,712,669 35 | 99,212 9 7 |
| | | | Depreciation Fund. | | | |
| | | | Securities (Gold) | £ 1,438,669 1 1 | 10,554,732 68 | 1,187,116 12 2 |
| | | | Do. (Silver) | R. 1,965,500 0 0 | 1,425,938 29 | 113,889 16 1 |
| | | | Current Account | ... | 2,138,965 43 | 249,545 19 7 |
| | | | Gold Standard Reserve. | | | |
| | | | Securities (Gold) | £ 737,500 0 0 | 7,697,326 25 | 874,744 7 6 |
| | | | Do. (Silver) | R. 193,800 0 0 | 143,716 60 | 11,229 12 8 |
| | | | Current Account | ... | 6,342,410 00 | 739,947 16 8 |
| | | | Coin Circulation. | | | |
| | | | New Straits dollars and 50-cent pieces (500 fine) | ... | 346,938 11 | 14,708 1 7 |
| | | | Do. | ... | 6,129,480 46 | 561,282 6 6 |
| | | | Do. | ... | 3,084,529 15 | 252,880 3 1 |
| | | | New subsidiary silver coin (500 fine) | ... | 3,811,130 20 | 416,599 3 3 |
| | | | Old do. | ... | 2,540,204 00 | 138,836 7 1 |
| | | | New do. | ... | | |
| | | | | | | £12,900,804 3 9 |

Silver at bullion value 34 $\frac{3}{4}$ d. per ounce.

* Investments at cash bargain or minimum prices.

(Stock Exchange Daily List, 30th December, 1921, and "Capital" of 21st December, 1921.)

THE TREASURY,
SINGAPORE, 14th July, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

APPENDIX D.

STANDARD COIN.

(Dollars and fifty cent pieces) of 900 fineness.

| | | | |
|---|------------------------|---|------------------------|
| Total received from Bombay in 1907 ... | \$19,006,872 00 | Amount sent to Bombay in 1918 for re-minting | \$12,169,000 00 |
| | | Amount in circulation... (a) | 6,129,480 46 |
| | | Amount held by the Currency Com- missioners ... | 708,391 54 |
| | <u>\$19,006,872 00</u> | | <u>\$19,006,872 00</u> |
| Amount sent to Bombay 1918 ... | \$12,169,000 00 | * Amount used for re-minting ... | \$8,168,339 75 |
| | | Amount sold to Govern- ment of India for Sterling ... | 4,000,660 25 |
| | <u>\$12,169,000 00</u> | | <u>\$12,169,000 00</u> |

* This amount was sent to Bombay for re-minting partly into dollars and fifty-cent pieces of 500 fineness and partly into subsidiary coin.

STANDARD COIN.

(Dollars and fifty-cent pieces) of 500 fineness.

| | | | |
|---|------------------------|--|------------------------|
| Amount received from Bombay in 1920 ... | \$13,239,688 50 | Amount used to replace coin taken out for re-minting ... | \$8,168,339 75 |
| | | Part of Surplus added to circulation ... | 100,000 00 |
| | | Surplus still in Vault ... | 4,971,348 75 |
| | <u>\$13,239,688 50</u> | | <u>\$13,239,688 50</u> |
| Amount received by the Currency Com- missioners ... | \$8,168,339 75 | Amount in Coin Reserve | \$7,921,401 64 |
| Amount of Surplus put into circulation | 100,000 00 | „ Circulation... (b) | 346,938 11 |
| | <u>\$8,268,339 75</u> | | <u>\$8,268,339 75</u> |
| Circulation of Standard Coin, 900 fineness, on 31-12-21 (a) | ... | | \$6,129,480 46 |
| „ „ 500 „ „ (b) | ... | | 346,938 11 |
| Gross Circulation on 31-12-21 ... | ... | | \$6,476,418 57 |
| Amount held by Government Treasuries | ... | | 37,301 50 |
| Net Circulation on 31-12-21 ... | ... | | \$6,439,117 07 |
| Amount held by the Banks ... | ... | | 257,626 00 |
| Active Circulation on 31-12-21 ... | ... | | <u>\$6,181,491 07</u> |

STRAITS SETTLEMENTS.

(1)

STATEMENT SHOWING

THE

TOTAL RECEIPTS AND EXPENDITURE

IN THE YEAR

1921.

STATEMENT SHOWING THE TOTAL RECEIPTS AND

| RECEIPTS. | AMOUNT ESTIMATED. | ACTUAL RECEIPTS. | MORE THAN ESTIMATED. | LESS THAN ESTIMATED. |
|--|----------------------|---------------------|-------------------------|-------------------------|
| | \$ | \$ c. | \$ c. | \$ c. |
| Balance, 1st January, 1921 | ... | 13,815,573 50 | ... | ... |
| Heads of Revenue:— | | | | |
| 1. Port, Harbour, Wharf and Light Dues ... | 1,500 | 1,821 98 | 321 98 | ... |
| 2. Licences, Excise and Internal Revenue not otherwise classified | 32,748,397 | 29,105,290 80 | ... | 3,643,106 20 |
| 3. Fees of Court or Office, Payments for Specific Services, and Reimbursements in Aid | 807,575 | 931,096 35 | 123,521 35 | ... |
| 4. Posts and Telegraphs | 1,369,510 | 1,257,289 21 | ... | 112,220 79 |
| 5. Rents on Government Property ... | 1,203,248 | 1,396,601 39 | 193,353 39 | ... |
| 6. Interest | 728,730 | 1,988,163 30 | 1,259,433 30 | ... |
| 7. Miscellaneous Receipts | 75,853 | 4,738,349 91 | 4,662,496 91 | ... |
| Total Revenue Exclusive of Land Sales ... | 36,934,813 | 39,418,612 94 | 6,239,126 93 | 3,755,326 99 |
| 8. Land Sales | 250,950 | 127,122 36 | ... | 123,827 64 |
| Total Revenue ... | 37,185,763 | 39,545,735 30 | 6,239,126 93 | 3,879,154 63 |
| Indian Agency Account | | 1,415,805 55 | | |
| Foodstuffs Agency Account | | 3,375,856 94 | | |
| Johore Foodstuffs Account | | 256,790 35 | | |
| Federated Malay States Foodstuffs Account | | 20,318,855 01 | | |
| Investments | | 16,526,797 34 | | |
| Investments, Depreciation Account ... | | 431,764 01 | | |
| Advances | | 12,246,460 73 | | |
| Imprests | | 1,073,049 67 | | |
| Loans:— | | | | |
| Municipalities | | 21,287 22 | | |
| Singapore Harbour Board | | 394,167 03 | | |
| Penang Harbour Board | | 4,875 27 | | |
| F. M. S. Government Rice Account ... | | 828,893, 67 | | |
| Savings Bank. | | 110,000 00 | | |
| Straits Settlements 7 per cent Loan 1921-1926. | | 20,216,300 00 | | |
| Drafts and Remittances | | 4,538,232 81 | | |
| Cash in Transit | | 1,834,711 08 | | |
| Deposits | | 22,323,213 14 | | |
| Suspense | | 56,902,368 33 | | |
| Total Receipts ... | | 202,365,163 45 | | |
| Total Receipts with opening Balances ... | | 216,180,736 95 | | |

EXPENDITURE IN THE YEAR 1921.

| PAYMENTS. | AMOUNT ESTIMATED. | ACTUAL PAYMENTS. | MORE THAN ESTIMATED. | LESS THAN ESTIMATED. |
|--|----------------------|---------------------|-------------------------|-------------------------|
| | \$ | \$ c. | \$ c. | \$ c. |
| Heads of Expenditure:— | | | | |
| 1. Charge on account of the Public Debt ... | 37,106 | 37,083 40 | ... | 22 60 |
| 2. Pensions, Retired Allowances, Gratuities, etc. ... | 715,924 | 755,963 21 | 40,039 21 | ... |
| 3. Charitable Allowances ... | 17,029 | 17,946 30 | 917 30 | ... |
| 4. The Governor ... | 146,841 | 137,523 59 | ... | 9,317 41 |
| 5. Civil Service ... | 777,126 | 519,064 49 | ... | 258,061 51 |
| 6. Colonial Secretary, Resident Councillors, and Resident ... | 192,024 | 212,349 92 | 20,325 92 | ... |
| 7. Government Printing Office ... | 153,689 | 226,635 33 | 72,946 33 | ... |
| 8. Land and District Offices ... | 291,299 | 314,413 08 | 23,114 08 | ... |
| 9. Forests ... | 51,725 | 53,186 65 | 1,461 65 | ... |
| 10. Chinese and Indian Immigrants' Protection ... | 98,839 | 103,346 37 | 4,507 37 | ... |
| 11. Treasury ... | 204,082 | 220,477 77 | 16,395 77 | ... |
| 12. Audit ... | 80,767 | 77,459 86 | ... | 3,307 14 |
| 13. Director of External Audit ... | 76,008 | ... | ... | 76,008 00 |
| 14. Marine ... | 2,157,093 | 737,773 63 | ... | 1,419,319 37 |
| 15. Legal ... | 438,035 | 427,906 79 | ... | 10,128 21 |
| 16. Police ... | 2,077,546 | 2,407,296 19 | 329,750 19 | ... |
| 17. Prisons ... | 388,838 | 465,017 11 | 76,179 11 | ... |
| 18. Medical ... | 638,404 | 570,575 71 | ... | 67,828 29 |
| 19. Hospitals and Dispensaries ... | 1,446,826 | 1,411,802 26 | ... | 35,023 74 |
| 20. Veterinary ... | 50,642 | 52,147 62 | 1,505 62 | ... |
| 21. Education ... | 1,127,520 | 911,121 03 | ... | 216,398 97 |
| 22. Ecclesiastical ... | 26,161 | 26,675 24 | 514 24 | ... |
| 23. Transport ... | 84,700 | 305,585 57 | 220,885 57 | ... |
| 24. Military Expenditure ... | 7,200,752 | 5,764,447 82 | ... | 1,436,304 18 |
| 25. Miscellaneous Services ... | 7,033,588 | 12,071,384 94 | 5,037,796 94 | ... |
| 26. Post Office ... | 2,587,022 | 1,808,170 24 | ... | 778,851 76 |
| 27. Government Monopolies ... | 677,813 | 687,275 05 | 9,462 05 | ... |
| 28. Agricultural ... | 88,587 | 106,224 61 | 17,637 61 | ... |
| 29. Botanical Gardens ... | 118,188 | 96,917 66 | ... | 21,270 34 |
| 30. Raffles Museum & Library ... | 45,409 | 46,603 97 | 1,194 97 | ... |
| 31. Income Tax ... | 38,870 | 38,829 21 | ... | 40 79 |
| 32. Public Works Department ... | 418,344 | 394,359 82 | ... | 23,984 18 |
| 33. Survey Department ... | 264,126 | 240,346 48 | ... | 23,779 52 |
| 34. Public Works Recurrent ... | 666,965 | 639,152 69 | ... | 27,812 31 |
| 35. Public Works Extraordinary ... | 10,127,652 | 3,531,938 36 | ... | 6,595,713 64 |
| Director of Supplies, S. S. and F. M. S. ... | ... | 13,896 78 | 13,896 78 | ... |
| Total Expenditure ... | 40,545,540 | 35,430,898 75 | 5,888,530 71 | 11,003,171 96 |
| Indian Agency Account ... | | 973,702 44 | | |
| Johore Foodstuffs Account ... | | 1,644,848 60 | | |
| Federated Malay States Foodstuffs Account ... | | 36,073,257 79 | | |
| Investments ... | | 26,847,654 09 | | |
| Investments Depreciation Account ... | | 431,764 01 | | |
| Advances ... | | 10,016,256 24 | | |
| Imprests ... | | 1,083,006 95 | | |
| Loans:— | | | | |
| Municipalities ... | | 1,935,797 22 | | |
| Penang Harbour Board ... | | 30,000 00 | | |
| Government Savings Bank ... | | 110,000 00 | | |
| Kelantan Government ... | | 200,000 00 | | |
| F. M. S. Government Advances at call ... | | 2,500,000 00 | | |
| F. M. S. Government Rice Account ... | | 19,617,740 92 | | |
| F. M. S. Government Re Loan of S. S. 1921 Loan ... | | 15,000,000 00 | | |
| Johore Government Re Loan of S. S. 1921 Loan ... | | 800,000 00 | | |
| Municipality Singapore Re Loan of S. S. 1921 Loan ... | | 3,500,000 00 | | |
| Drafts and Remittances ... | | 4,994,265 63 | | |
| Cash in Transit ... | | 1,838,902 66 | | |
| Deposits ... | | 23,095,485 61 | | |
| Suspense ... | | 13,005,182 51 | | |
| Total Payments ... | | 199,128,763 42 | | |
| Balance* 31st December, 1921 ... | | 17,051,973 53 | | |
| Total ... | | 216,180,736 95 | | |

* See over.

A. M. POUNTNEY,
Treasurer, S.S.

Distribution of Cash Balances at end of December, 1921.

| In Treasuries :— | | | | | \$ c. |
|------------------|-----|-----|-----|-----|---|
| Singapore | ... | ... | ... | ... | 1,964,707 00 |
| Labuan | ... | ... | ... | ... | 18,444 42 |
| Christmas Island | ... | ... | ... | ... | 1,637 62 |
| Penang | ... | ... | ... | ... | 577,111 34 |
| Dindings | ... | ... | ... | ... | 444 53 |
| Balik Pulau | ... | ... | ... | ... | 1,841 55 |
| Butterworth | ... | ... | ... | ... | 12,516 08 |
| Bukit Mertajam | ... | ... | ... | ... | 6,565 14 |
| Nibong Tebal | ... | ... | ... | ... | 7,134 85 |
| Malacca | ... | ... | ... | ... | 475 03 |
| Alor Gajah | ... | ... | ... | ... | 4,173 67 |
| Jasin | ... | ... | ... | ... | 6,573 12 |
| In Banks :— | | | | | |
| Singapore | ... | ... | ... | ... | 10,065,928 82 |
| Penang | ... | ... | ... | ... | 3,145,337 22 |
| Malacca | ... | ... | ... | ... | 1,209,903 32 |
| Crown Agents | ... | ... | ... | ... | 29,179 82 |
| | | | | | <hr style="width: 20%; margin: auto;"/> |
| Total ... | | | | | \$17,051,973 53 |
| | | | | | <hr style="width: 20%; margin: auto;"/> |

STRAITS SETTLEMENTS.

(2)

DETAILED STATEMENT

OF

ESTIMATED AND ACTUAL REVENUE,

1921.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|-------------------|-------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| CLASS I. | | | | |
| 1.—PORT, HARBOUR, WHARF AND LIGHT DUES. | | | | |
| Harbour Dues—L. ... | 1,500 00 | 1,821 98 | 321 98 | ... |
| TOTAL ... | 1,500 00 | 1,821 98 | 321 98 | ... |
| 2.—LICENCES, EXCISE AND INTERNAL REVENUE NOT OTHERWISE CLASSIFIED. | | | | |
| FINES AND FORFEITURES:— | | | | |
| District and Police Courts including Marine—S., \$110,240.50; L., \$233.27; X'mas Is., \$15.50; P., \$52,935.31; M., \$14,403.80 ... | 161,510 00 | 177,828 38 | 16,318 38 | ... |
| Police—S., \$1,834.46; L., \$19.10; P., \$884.34; M., \$198.07 ... | 4,005 00 | 2,935 97 | ... | 1,069 03 |
| Supreme Court and Sheriff—S., \$130; P., \$130; M., \$100 ... | 50 00 | 360 00 | 310 00 | ... |
| LICENCES:— | | | | |
| *Arms and Ammunition — S., \$19,899.65; L., \$209.40; X'mas Is., \$35.90; P., \$11,110; M., \$6,671.40 ... | 32,060 00 | 37,926 35 | 5,866 35 | ... |
| *Auctioneers' Licensing Ordinance— S., \$1,485; P., \$915; M., \$450 ... | 2,420 00 | 2,850 00 | 430 00 | ... |
| Boats, Registration of—S., \$9,354; P., \$4,829.35; M., \$988.65 ... | 15,200 00 | 15,172 00 | ... | 28 00 |
| Brick Fields, Etc.—M. ... | 450 00 | 135 00 | ... | 315 00 |
| Coral, Granite, Etc.—S., \$7,923.48; L., \$21.66; P., \$5,969.10; M., \$2,126.09 ... | 7,650 00 | 16,040 33 | 8,390 33 | ... |
| Certificates of Competency—S., \$392; L., \$2; P., \$50 ... | 300 00 | 444 00 | 144 00 | ... |
| Fisheries Ordinance IX of 1909— S., \$1,979; P., \$12,384.70; M., \$1,544 ... | 15,200 00 | 15,907 70 | 707 70 | ... |
| Joint Stock Companies, Registra- tion of—S., \$16,701.60; P., \$3,660.30 ... | 28,000 00 | 20,361 90 | ... | 7,638 10 |
| Junks and Tongkangs, Registration of—S., \$1,505; P., \$3,093.50; M., \$316 ... | 4,700 00 | 4,914 50 | 214 50 | ... |
| <i>Carried forward ...</i> | <i>271,545 00</i> | <i>294,876 13</i> | <i>32,381 26</i> | <i>9,050 13</i> |
| <i>Carried forward ...</i> | <i>1,500 00</i> | <i>1,821 98</i> | <i>321 98</i> | <i>...</i> |

* Paid in Stamps.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 1,500 00 | 1,821 98 | 321 98 | ... |
| 2.—CLASS I— <i>Continued.</i> | | | | |
| <i>Brought forward ...</i> | 271,545 00 | 294,876 13 | 32,381 26 | 9,050 13 |
| LICENCES— <i>Continued</i> | | | | |
| Income Tax—S., \$4,478,560.04; P., \$970,000; M., \$220,500 ... | 4,700,000 00 | 5,669,060 04 | 969,060 04 | ... |
| Land Engineers and Engine Drivers' Certificates—S., \$360; P., \$358 | 450 00 | 718 00 | 268 00 | ... |
| Liquors—S., \$1,998,531.85; L., \$8,163.09; X'mas Is., \$3,125.82; P., \$993,714.01; M., \$226,750.43 ... | 3,000,000 00 | 3,230,285 20 | 230,285 20 | ... |
| *Liquor Shops, Distilleries, Toddy Shops, Warehouses, Public Houses, Billiard Rooms and Chemists' Licences—S., \$66,329; L., \$431.50; P., \$52,192.50; M., \$17,304 ... | 122,300 00 | 136,257 00 | 13,957 00 | ... |
| Marine Engineers and Engine Drivers' Certificates—S., \$1,413; P., \$170 ... | 730 00 | 1,583 00 | 853 00 | ... |
| *Medical Registration Ordinance—S., \$1,300 ... | 750 00 | 1,300 00 | 550 00 | ... |
| *Motor Cars and Drivers' Licences—S., \$31,137.50; L., \$12; P., \$8,282; M., \$3,383 ... | 51,000 00 | 42,814 50 | ... | 8,185 50 |
| *Native Passenger Lodging House Ordinance—S., \$3,246; P., \$672; M., \$420 ... | 3,084 00 | 4,338 00 | 1,254 00 | ... |
| Opium Revenue—S.S. ... | 20,000,000 00 | 15,286,537 92 | ... | 4,763,462 08 |
| *Opium Shops, Signboards, Warehouses, Etc.—S., \$46,922; L., \$784.50; P., \$15,734.50; M., \$16,915.50 ... | 79,720 00 | 80,356 50 | 636 50 | ... |
| Pawnbrokers Ordinance—S., \$268,086; P., \$176,608.20; M., \$99,813 ... | 783,988 00 | 544,507 20 | ... | 239,480 80 |
| Petroleum Duty Ordinance XIX of 1909—S., \$219,693.40; L., \$923.20; P., \$78,634.65; M., \$38,848.60 ... | 301,000 00 | 338,099 85 | 37,099 85 | ... |
| *Petroleum Licences Ordinance XIX of 1909—S., \$200; P., \$400 ... | 1,100 00 | 600 00 | ... | 500 00 |
| Petroleum Ordinance XXIII of 1908—S., \$190; P., \$280 ... | 450 00 | 470 00 | 20 00 | ... |
| *Poisons Ordinance—S., \$330; P., \$155; M., \$45 ... | 500 00 | 530 00 | 30 00 | ... |
| *Processions, Wayangs, Etc.—S., \$16,975.50; L., \$73; P., \$11,493.55; M., \$2,765 ... | 33,610 00 | 31,307 05 | ... | 2,302 95 |
| *Public Eating Houses—S., \$361; L., \$23; P., \$663; M., \$333 ... | 1,400 00 | 1,380 00 | ... | 20 00 |
| Registration of Shipping—S., \$2,187; L., \$5; P., \$37 ... | 2,205 00 | 2,229 00 | 24 00 | ... |
| <i>Carried forward ...</i> | 29,353,832 00 | 25,617,249 39 | 1,266,418 85 | 5,023,001 46 |
| <i>Carried forward ...</i> | 1,500 00 | 1,821 98 | 321 98 | ... |

* Paid in Stamps.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|----------------------|----------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 1,500 00 | 1,821 98 | 321 98 | ... |
| 2.—CLASS I.—Continued. | | | | |
| <i>Brought forward ...</i> | 29,353,832 00 | 25,617,249 39 | 1,286,418 85 | 5,023,001 46 |
| LICENCES—Continued. | | | | |
| Rubber Dealers' Ordinance—S., \$49,482; L., \$9; P., \$22,152; M., \$29,456 ... | 117,060 00 | 101,099 00 | ... | 15,961 00 |
| *Second-Hand Dealers Licence Ordin- ance 21 of 1917—S., \$106.50; P., \$82.50; M., \$16 ... | 215 00 | 205 00 | ... | 10 00 |
| Stamp Duties (various Revenue Services)—S., \$1,198,477.17; L., \$2,704.43; P., \$216,274; M., \$45,446.48 ... | 1,709,400 00 | 1,462,902 08 | ... | 246,497 92 |
| Tin—P., \$50; M., \$720.34 ... | 700 00 | 770 34 | 70 34 | ... |
| Tobacco Duties S., \$1,262,057.19; P., \$485,918.65; M., \$131,337.67 | 1,525,000 00 | 1,879,313 51 | 354,313 51 | ... |
| Tobacco Import Duty—L. ... | 4,000 00 | 5,144 58 | 1,144 58 | ... |
| *Tobacco Import and Manufacturing Licences—S., \$17,273.50; P., \$13,322.50; M., \$5,440.50 ... | 35,500 00 | 36,036 50 | 536 50 | ... |
| *Tobacco Retail Shops—L. ... | 1,200 00 | 1,381 00 | 181 00 | ... |
| †Miscellaneous—S., \$760; L., \$82; P., \$318.40; M., \$29 ... | 1,490 00 | 1,189 40 | ... | 300 60 |
| TOTAL ... | 32,748,397 00 | 29,105,290 80 | 1,642,664 78 | 5,285,770 98 |
| CLASS II. | | | | |
| 3.—FEES OF COURT OR OFFICE, PAYMENTS FOR SPECIFIC SERVICES AND REIM- BURSEMENTS IN AID. | | | | |
| Bankruptcy Estates, Commission on—S., \$24,399.23; P., \$1,779.55 | 14,000 00 | 26,178 78 | 12,178 78 | ... |
| *Bills of Health—S., \$14,645; X'mas Is., \$85; P., \$1,965; M., \$85 ... | 15,175 00 | 16,780 00 | 1,605 00 | ... |
| *Births and Deaths, Registration of —S., \$1,027; L., \$4; X'mas Is., \$2; P., \$511; M., \$143 ... | 1,265 00 | 1,687 00 | 422 00 | ... |
| Boundary Stones, Sale of—S., \$930; L., \$1,014.25; P., \$993.58; M., \$1,282 ... | 6,000 00 | 4,219 83 | ... | 1,780 17 |
| *Burials Ordinance—L., \$18 ... | 210 00 | 18 00 | ... | 192 00 |
| Breaking Stones—S., \$2,339.51; P., \$730.45 ... | 2,500 00 | 3,069 96 | 569 96 | ... |
| Charts, Sale of—L. ... | 40 00 | 22 50 | ... | 17 50 |
| <i>Carried forward ...</i> | 39,190 00 | 51,976 07 | 14,775 74 | 1,989 67 |
| <i>Carried forward ...</i> | 32,749,897 00 | 29,107,112 78 | 1,642,986 76 | 5,285,770 98 |

* Paid in Stamps. † Partly paid in Stamps.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 32,749,897 00 | 29,107,112 78 | 1,642,986 76 | 5,285,770 98 |
| CLASS II—Continued. | | | | |
| 3.—FEES OF COURT OR OFFICE, ETC.—Continued. | | | | |
| <i>Brought forward ...</i> | 39,190 00 | 51,976 07 | 14,775 74 | 1,989 67 |
| *Certificates of Origin, Landing and Shipping Goods—S., \$1,237; P., \$171 ... | 1,170 00 | 1,408 00 | 238 00 | ... |
| Contribution of Brunei Government towards salaries of Police—L. ... | ... | 20,045 90 | a 20,045 90 | ... |
| Currency Note Ordinance 1899, Expenses of and incidental to the execution of—S. ... | 65,780 00 | 59,566 70 | ... | 6,213 30 |
| Cost of Subsistence of Prisoners recoverable—S., \$2,165.40; L., \$28.80 ... | 2,700 00 | 2,194 20 | ... | 505 80 |
| *Deeds and Bills of Sale, Registration of—S., \$2c,039.40; P., \$17,459.10; M., 1.50 ... | 43,140 00 | 37,500 00 | ... | 5,640 00 |
| †District and Police Courts including Marine—S., \$61,005.38; X'mas Is., \$3; L., \$732.14; P., \$41,409.81; M., \$16,180.69 ... | 70,955 00 | 119,331 02 | 48,376 62 | ... |
| Expenses of Preliminary Survey—S., \$25; P., \$368; M., \$826.75 ... | 1,970 00 | 1,219 75 | ... | 750 25 |
| Electric Light, Supply of—S., \$900.51; P., \$2.68 ... | 2,000 00 | 903 19 | ... | 1,096 81 |
| Escorts for Estates' Coolies—P. ... | 20 00 | ... | ... | 20 00 |
| Gazette, Etc., Advertising in and Sale of—S. ... | 9,000 00 | 14,703 62 | 5,703 62 | ... |
| Government Analyst—S., \$8,198.50; P., \$4,173.50 ... | 14,000 00 | 12,372 00 | ... | 1,628 00 |
| Governor and Suite, Part Salaries of—S. ... | 37,871 00 | 54,239 79 | 16,368 79 | ... |
| Gunpowder Storage Fees—S., \$3,454.30; P., \$15.91; ... | 2,550 00 | 3,470 21 | 920 21 | ... |
| *Hides, Certificates to accompany—S., \$196 ... | 300 00 | 196 00 | ... | 104 00 |
| Issue of Notices, Etc.—S., \$874; L., \$12; P., \$5,433.60; M., \$7,105.75 ... | 6,125 00 | 13,425 35 | 7,300 35 | ... |
| Inspection of Animals—S., \$19,840.90; L., \$88.95; P., \$4,634.45; M., \$447.95 ... | 42,210 00 | 25,012 25 | ... | 17,197 75 |
| *Inventions, Copyrights, Etc.—S. ... | 2,500 00 | 3,971 60 | 1,471 60 | ... |
| <i>Carried forward ...</i> | 341,481 00 | 421,535 65 | 115 200 23 | 35,145 58 |
| <i>Carried forward ...</i> | 32,749,897 00 | 29,107,112 78 | 1,642,986 76 | 5,285,770 98 |

* Paid in Stamps.

† Partly paid in Stamps.

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 32,749,897 00 | 29,107,112 78 | 1,642,986 76 | 5,285,770 98 |
| CLASS II—Continued. | | | | |
| 3.—FEES OF COURT OR OFFICE, ETC.—Continued. | | | | |
| <i>Brought forward ...</i> | 341,481 00 | 421,535 65 | 115,200 23 | 35,145 58 |
| Indian Immigration Depot, Fees for use of—P. ... | 1,300 00 | 631 10 | ... | 668 90 |
| Malay College, Part salaries of staff paid by F. M. S. and Kedah—M. | 5,084 00 | ... | ... | 5,084 00 |
| Malay College, Tanjong Malin, Part upkeep of, paid by F. M. S. | 33,000 00 | ... | ... | 33,000 00 |
| Marriages, Registration of—S., \$1,838; P., \$42; M., \$4 ... | 1,045 00 | 1,884 00 | 839 00 | ... |
| Maps and Plans, Sale of—S., \$1,659; P., \$912.25; M., \$229.30 | 2,855 00 | 2,800 55 | ... | 54 45 |
| Measurement of Tonnage—S., \$2,910; P., \$1,180 ... | 2,300 00 | 4,090 00 | 1,790 00 | ... |
| Municipal Contributions—S., \$48,000; P., \$24,000; M., \$200 | 72,200 00 | 72,200 00 | ... | ... |
| Municipal Payment for Water Supply—M. ... | 7,200 00 | 4,269 54 | ... | 2,930 46 |
| *Naturalization and Passports—S., \$20,831; P., \$532.50 ... | 28,600 00 | 21,363 50 | ... | 7,236 50 |
| The Trans-Krian Land Improvement Ord. V of 1900, Charges under—P. | 250 00 | 241 75 | ... | 8 25 |
| The Land Improvement Ordinance II of 1901, Charges under—P. ... | 200 00 | 205 46 | 5 46 | ... |
| Petroleum Inspection—M. ... | 660 00 | 555 00 | ... | 105 00 |
| *Pilgrim Brokers' Ordinance, Fees under S.—\$131; P., \$15 ... | 175 00 | 146 00 | ... | 29 00 |
| Pilgrim Ship Ordinance, 1910—S. | 2,800 00 | 2,280 00 | ... | 520 00 |
| Pounding Stray Animals—S., \$5,061; L., \$81; P., \$2,555.90; M., \$3,841 ... | 7,000 00 | 11,538 90 | 4,538 90 | ... |
| Police to Private Persons, Hire of —S., \$2,947.20; L., \$106.23; P., \$948.25; M., \$134.45 ... | 3,540 00 | 4,136 13 | 596 13 | ... |
| Registration and Preparation of Grants—S., \$694; L., \$1,230; P., \$1,712; M., \$270 ... | 5,050 00 | 3,906 00 | ... | 1,144 00 |
| Search, Registration, Etc.—S., \$369; L., \$2.50; P., \$3,379.75; M., \$7,474.90 ... | 17,505 00 | 11,226 15 | ... | 6,278 85 |
| Shipping Seamen—S., \$14,532.12; X'mas Is., Nil.; P., \$1,617.07 | 15,275 00 | 16,149 19 | 874 19 | ... |
| Surveying of Vessels for Passenger Certificates—S., \$26,144.17; P., \$3,756.67 ... | 23,000 00 | 29,900 84 | 6,900 84 | ... |
| †Supreme Court and Sheriff—S., \$71,886.60; P., \$30,483.31; M., \$12,253.51 ... | 63,450 00 | 114,623 42 | 51,173 42 | ... |
| Steam Boilers Ordinance—S., \$12,325; P., \$2,637.50; M., \$610 | 6,770 00 | 15,572 50 | 8,802 50 | ... |
| Sale of Manufactures—S., \$1,165.11; P., \$79.15 ... | 305 00 | 1,244 26 | 939 26 | ... |
| Sale of Gantang Measures—L. ... | 20 00 | 29 00 | 9 00 | ... |
| Sale of Plants, Seeds, and Rubber —S., \$3,847.69; P., \$686.02 ... | 10,300 00 | 4,533 71 | ... | 5,766 29 |
| <i>Carried forward ...</i> | 651,365 00 | 745,062 65 | 191,668 93 | 97,971 28 |
| <i>Carried forward ...</i> | 32,749,897 00 | 29,107,112 78 | 1,642,986 76 | 5,285,770 98 |

* Paid in Stamps.

† Partly paid in Stamps.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 32,749,897 00 | 29,107,112 78 | 1,642,986 76 | 5,285,770 98 |
| CLASS II—Continued. | | | | |
| 3.—FEES OF COURT OR OFFICE, ETC.—Continued. | | | | |
| <i>Brought forward ...</i> | 651,365 00 | 745,062 65 | 191,668 93 | 97,971 28 |
| Savings Bank, for Expenses of Management—S. ... | 15,000 00 | ... | ... | 15,000 00 |
| *Societies Ordinance, Fees under— S., \$920; P., \$920; M., \$300 ... | 1,600 00 | 2,140 00 | 540 00 | ... |
| Survey Fees—S., \$15,552.40; L., \$2,790; P., \$10,578.90; M., \$3,235.20 ... | 25,600 00 | 32,156 50 | 6,556 50 | ... |
| Tide Tables, Sale of, S., \$225; P., \$296.25 ... | 400 00 | 521 25 | 121 25 | ... |
| *Trade Mark Fees—S. ... | 150 00 | 126 00 | ... | 24 00 |
| Weights and Measures Ordinance— S., \$2,894.25; L., \$73.55; P., \$2,416.85; M., \$194.55 ... | 5,600 00 | 5,579 20 | ... | 20 80 |
| Widows' and Orphans' Pensions, Contributions, Fines, Etc., on account of—S., \$93,951.51; P., \$33,869.83; M., \$11,427.34 ... | 106,200 00 | 139,248 68 | 33,048 68 | ... |
| †Miscellaneous—S., \$4,216.82; P., \$445.70; M., \$1,599.55 ... | 1,660 00 | 6,262 07 | 4,602 07 | ... |
| TOTAL ... | 807,575 00 | 931,096 35 | 236,537 43 | 113,016 08 |
| CLASS III. | | | | |
| 4.—POSTS AND TELEGRAPHS. | | | | |
| Commission on Money Order Business—S., \$20,548.34; L., \$289.06; X'mas Is., \$3.24; P., \$11,662.05; M., \$3,964.17 ... | 24,851 00 | 36,466 86 | 11,615 86 | ... |
| Postage Stamps—S., \$722,030.73; L., \$1,165.83; X'mas Is., Nil; P., \$136,103.31; M., \$39,286.03 | 965,623 00 | 898,585 90 | ... | 67,037 10 |
| Postage Collections—S., \$18,201.35; L., \$32.24; X'mas Is., \$15.92; P., \$13,494.70; M., \$3,770.11 ... | 24,221 00 | 35,514 32 | 11,293 32 | ... |
| Profits on Exchange—S. ... | * 100 00 | ... | ... | 100 00 |
| Profits on Money Order Business— S. ... | 45,000 00 | ... | ... | 45,000 00 |
| Telephone Exchange—P., \$74,127.07; M., \$22,910.77 ... | 106,000 00 | 97,037 84 | ... | 8,962 16 |
| <i>Carried forward ...</i> | 1,165,795 00 | 1,067,604 92 | 22,909 18 | 121,099 26 |
| <i>Carried forward ...</i> | 33,557,472 00 | 30,038,209 13 | 1,879,524 19 | 5,398,787 06 |

* Paid in Stamps. † Partly paid in Stamps.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------------|---------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 33,557,472 00 | 30,038,209 13 | 1,879,524 19 | 5,398,787 06 |
| CLASS III—Continued. | | | | |
| 4.—POSTS AND TELEGRAPHS.—Ctd. | | | | |
| <i>Brought forward ...</i> | 1,165,795 00 | 1,067,604 92 | 22,909 18 | 121,099 26 |
| Radio Telegrams—S., \$17,414.38; P., \$11,299.45 ... | 29,500 00 | 28,713 83 | ... | 786 17 |
| Rent of Private Boxes, S., \$5,408; L., \$150; P., \$2,493; M., \$634 | 7,700 00 | 8,685 00 | 985 00 | ... |
| Telegrams—S., \$53,286.16; P., \$61,063.24; M., \$7,591.11 ... | 143,700 00 | 121,940 51 | ... | 21,759 49 |
| Miscellaneous—S., \$542.62; L., \$0.33; P., \$167; M., \$916 ... | 425 00 | 1,625 95 | 1,200 95 | ... |
| Postal Express—S., \$16,204; P., \$4,062 ... | 11,590 00 | 20,266 00 | 8,676 00 | ... |
| Telegraphic Address—S., \$6,678; P., \$1,775 ... | 10,800 00 | 8,453 00 | ... | 2,347 00 |
| TOTAL ... | 1,369,510 00 | 1,257,289 21 | 33,771 13 | 145,991 92 |
| CLASS IV. | | | | |
| 5.—RENTS ON GOVERNMENT PROPERTY. | | | | |
| Beach—S., \$17,940.80; P., \$8,765. | 23,000 00 | 26,705 80 | 3,705 80 | ... |
| Forest Revenue—S., \$16,687.97; L., \$94.10; P., \$16,006.71; M., \$7,072.18 ... | 36,280 00 | 39,860 96 | 3,580 96 | ... |
| Grazing Lands, Etc.—S., \$124; P., \$333 ... | 375 00 | 457 00 | 82 00 | ... |
| Lands—S., \$235,256.53; L., \$4,380.92; P., \$176,326.30; M., \$522,883.81 ... | 1,045,000 00 | 938,847 56 | ... | 106,152 44 |
| Government Buildings—S., \$401; L., \$349; P., \$358.35; M., \$436.25 | 1,600 00 | 1,544 60 | ... | 55 40 |
| Government Buildings let for Profit —S., \$45,119.01; X'mas Is., \$155.88; P., \$46,308.29; M., \$12,160.67 ... | 86,283 00 | 103,743 85 | 17,460 85 | ... |
| Rent of Island, X'mas Island ... | 1,500 00 | 1,481 57 | ... | 18 43 |
| Rubber, Sale of—S. ... | 1,000 00 | ... | ... | 1,000 00 |
| Telok Ayer Reclamation Rents ... | ... | 270,000 00 | 270,000 00 | ... |
| Miscellaneous—S., \$2,437.09; L., \$54; P., \$11,399.92; M., \$69.04 | 8,210 00 | 13,960 05 | 5,750 05 | ... |
| TOTAL ... | 1,203,248 00 | 1,396,601 39 | 300,579 66 | 107,226 27 |
| 6.—INTEREST. | | | | |
| Interest on Investments—S., \$366,395.93; P., \$6,363 ... | 306,480 00 | 372,758 93 | 66,278 93 | ... |
| Interest on Bank Accounts—S., \$101,159.01; P., \$42,593.63; M., \$17,283.98 ... | 86,000 00 | 161,036 62 | 75,036 62 | ... |
| Interest on Loans and Advances, S., \$1,282,211.42; L., \$89.68; X'mas Island, Nil.; P., \$74,608.42; M., \$13,240.21 ... | 211,310 00 | 1,370,149 73 | 1,158,839 73 | ... |
| Interest on Monopoly Buildings, S. | 12,100 00 | 12,752 38 | 652 38 | ... |
| Interest on Opium Purchase Money Outstanding, S. ... | 112,840 00 | 70,312 76 | ... | 42,527 24 |
| Miscellaneous, M. ... | ... | 1,152 88 | 1,152 88 | ... |
| TOTAL ... | 728,730 00 | 1,988,163 30 | 1,301,960 54 | 42,527 24 |
| <i>Carried forward ...</i> | 36,858,960 00 | 34,680,263 03 | 3,515,835 52 | 5,694,532 49 |

(a Unestimated.)

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL REVENUE, 1921.

| HEADS AND SUB-HEADS OF REVENUE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 36,858,960 00 | 34,680,263 03 | 3,515,835 52 | 5,694,532 49 |
| CLASS V. | | | | |
| 7.—MISCELLANEOUS RECEIPTS. | | | | |
| Censoring Films ... | 25,000 00 | 13,336 50 | ... | 11,663 50 |
| Commission on Treasury Drafts—L. | 100 00 | 24 71 | ... | 75 29 |
| Court Deposits, unclaimed—S., \$25,494.61; P., \$529.23 ... | 3,323 00 | 26,023 84 | 22,700 84 | ... |
| Excess Interest received from Har- bour Boards and Municipalities on account of loan moneys lent to them ... | ... | 171,311 57 | <i>a</i> 171,311 57 | ... |
| Overpayments recovered—S., \$3,722,829.70; X'mas Is., \$18.80; P., \$656,005.88; M., \$32,898.22 ... | ... | 4,411,752 60 | <i>a</i> 4,411,752 60 | ... |
| Royalty on Phosphate, Christmas Island ... | 40,000 00 | 48,798 89 | 8,798 89 | ... |
| Sale of Colonial Steamer Sea Mew Sale of Stores, etc.—S., \$460.65; L., \$165.92; P., \$1,370.76; M., \$395.83 ... | 4,010 00 | 2,395 16 | ... | 1,616 84 |
| Miscellaneous—S., \$17,137.49; L., \$1,535.72; X'mas Island, \$264.10; P., \$3,006.92; M., \$264.41 ... | 3,420 00 | 22,208 64 | 18,788 64 | ... |
| TOTAL .. | 75,853 00 | 4,738,349 91 | 4,675,852 54 | 13,355 63 |
| 8.—LAND SALES. | | | | |
| Premia on Grants—S., \$73,682; L., \$422.60; P., \$13,320.26; M., \$23,964.50 ... | 250,200 00 | 111,389 36 | ... | 138,810 64 |
| Premia on Special Sales of Town Lands—S. ... | 750 00 | 15,733 00 | 14,983 00 | ... |
| | 250,950 00 | 127,122 36 | 14,983 00 | 138,810 64 |
| GRAND TOTAL ... | 37,185,763 00 | 39,545,735 30 | 8,206,671 06 | 5,846,698 76 |
| DEDUCT DEFICIENCY ... | | | 5,846,698 76 | ... |
| NET EXCESS ... | | | 2,359,972 30 | ... |

(a) Unestimated.

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S. S.



STRAITS SETTLEMENTS.

(3)

DETAILED STATEMENT

OF

ESTIMATED AND ACTUAL EXPENDITURE

1921.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------------|---------------------|-----------------------|------------------------|
| 1.—CHARGE ON ACCOUNT OF THE PUBLIC DEBT:— | \$ c. | \$ c. | \$ c. | \$ c. |
| Sinking Fund Contribution on loans raised in 1907 and 1910 | 37,106 00 | 37,083 40 | ... | 22 60 |
| Total ... | 37,106 00 | 37,083 40 | ... | 22 60 |
| 2.—PENSIONS, RETIRED ALLOWANCES, GRATUITIES, ETC.:— | | | | |
| Political Pensions—S.S. | <i>a</i> 10,780 00 | 10,590 00 | ... | 190 00 |
| Superannuation Allowances—S.S. ... | 441,334 00 | <i>b</i> 485,216 49 | 43,882 49 | ... |
| Police Pensions—S.S. | 62,708 00 | 57,622 83 | ... | 5,085 17 |
| Special Allowances—S.S. | 8,665 00 | 11,277 79 | 2,612 79 | ... |
| Annuities to Landed Proprietors— ... | <i>a</i> 3,564 00 | 3,516 12 | ... | 47 88 |
| Allowances to the descendants of the late Sultan Hussain | 7,980 00 | 7,980 00 | ... | ... |
| Difference in Rate for Payment of Pen- sions—S.S. | 91,257 00 | 76,625 41 | ... | 14,631 59 |
| Pensions of Widows and Orphans—S.S. ... | 59,643 00 | 55,033 29 | ... | 4,609 71 |
| Refund of Bachelors' Contributions under the Widows' and Orphans' Pensions Ordinance—S.S. | <i>a</i> 3,000 00 | 3,467 16 | 467 16 | ... |
| Difference of Rate for Payment of Widows' and Orphans' Pensions—S.S. ... | 5,630 00 | 4,897 66 | ... | 732 34 |
| Gratuities to Officers not entitled to Pensions, and to Families of deceased Officers—S.S. | 20,000 00 | 33,152 42 | 13,152 42 | ... |
| Allowances to dependents of Volunteers killed in the Mutiny 1915 | 1,363 00 | 3,377 13 | 2,014 13 | ... |
| Gratuities to Families of Government Officers who die after retirement from Government Service | ... | <i>c</i> 3,206 91 | 3,206 91 | ... |
| Total, Pensions, Etc. ... | 715,924 00 | 755,963 21 | 65,335 90 | 25,296 69 |
| Carried forward ... | 753,030 00 | 793,046 61 | 65,335 90 | 25,319 29 |

(a) Provided by Law.

(b) Labuan \$1,086.10.

(c) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|--------------|-----------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 753,030 00 | 793,046 61 | 65,335 90 | 25,319 29 |
| 3.—CHARITABLE ALLOWANCES:— | | | | |
| Destitute Strangers' Aid Fund ... | 2,000 00 | 3,000 00 | 1,000 00 | ... |
| Police Courts, Poor-boxes—S., \$250; P., \$300; M., \$50 ... | 950 00 | 600 00 | ... | 350 00 |
| Relief of distressed British Subjects—S., \$403.53; P., \$306.05 ... | 1,300 00 | 709 58 | ... | 590 42 |
| Relief of distressed Women—S., \$91.50; P., \$15.47 ... | 350 00 | 106 97 | ... | 243 03 |
| Orphanages—S. S. ... | 8,658 00 | 8,346 00 | ... | 312 00 |
| Contribution to "Po Leung Kuk" ... | 2,331 00 | 4,000 00 | 1,669 00 | ... |
| Special Grant to "Po Leung Kuk" for instruction in Malay ... | 240 00 | 240 00 | ... | ... |
| Miscellaneous—S., \$832.25; P., \$111.50 ... | 1,200 00 | 943 75 | ... | 256 25 |
| Total, Charitable Allowances ... | 17,029 00 | 17,946 30 | 2,669 00 | 1,751 70 |
| 4.—THE GOVERNOR:— | | | | |
| <i>A—Personal Emoluments</i> ... | 114,539 00 | 104,576 90 | ... | 9,962 10 |
| | 114,539 00 | 104,576 90 | ... | 9,962 10 |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Miscellaneous ... | 2,200 00 | 2,898 61 | 698 61 | ... |
| Transport Allowances and Travelling Expenses of Governor and Suite ... | 3,600 00 | 7,612 36 | 4,012 36 | ... |
| Up-keep of Motor Cars ... | 7,500 00 | 8,423 75 | 923 75 | ... |
| Up-keep of Furniture, Government House ... | 2,000 00 | 1,851 96 | ... | 148 04 |
| Up-keep of Grounds ... | 3,925 00 | 3,922 73 | ... | 2 27 |
| | 19,225 00 | 24,709 41 | 5,634 72 | 150 31 |
| <i>II.—SPECIAL EXPENDITURE.</i> | | | | |
| Refurnishing of Government House ... | 13,077 00 | 6,237 28 | ... | 6,839 72 |
| Purchase of a Ford Car ... | ... | ^a 2,000 00 | 2,000 00 | ... |
| | 13,077 00 | 8,237 28 | 2,000 00 | 6,839 72 |
| Total, The Governor ... | 146,841 00 | 137,523 59 | 7,634 72 | 16,952 13 |
| 5.—CIVIL SERVICE. | | | | |
| <i>A—Personal Emoluments</i> ... | 777,126 00 | 519,064 49 | ... | 258,061 51 |
| Total, Civil Service ... | 777,126 00 | 519,064 49 | ... | 258,061 51 |
| <i>Carried forward</i> ... | 1,694,026 00 | 1,467,580 99 | 75,639 62 | 302,084 63 |

(^a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------|---------------------|--------------------|---------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 1,694,026 00 | 1,467,580 99 | 75,639 62 | 302,084 63 |
| 6.—COLONIAL SECRETARY, RESIDENT COUNCILLORS AND RESIDENT. | | | | |
| <i>A—Personal Emoluments</i> ... | 130,314 00 | <i>a</i> 167,667 38 | 37,353 38 | ... |
| | 130,314 00 | 167,667 38 | 37,353 38 | ... |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Grant to Recreation Club—L. ... | 200 00 | 200 00 | ... | ... |
| Maintenance of Residency Grounds—P. ... | 2,400 00 | 2,147 23 | ... | 252 77 |
| Miscellaneous—S., \$2,016.13; P., \$756.79; M., \$184.79; L., \$140.56 ... | 2,935 00 | 3,098 27 | 163 27 | ... |
| Newspapers, Telegrams, Etc., Subscriptions to—S., \$3,648.06; P., \$108.00; M., \$86.20; L., \$107.65 ... | 5,870 00 | 3,949 91 | ... | 1,920 09 |
| Telegrams—S., \$15,966.72; P., \$183.77; L., \$393.75 ... | 27,200 00 | 16,544 24 | ... | 10,655 76 |
| Travelling and Personal Allowances—S., \$4,518.72; P., \$2,989.32; M., \$1,299.06; L., \$147.06 ... | 9,870 00 | 8,954 16 | ... | 915 84 |
| Maintenance of Governor's Hill Bungalow Grounds—P. ... | 3,200 00 | 2,988 28 | ... | 211 72 |
| Shorthand Reporting ... | 1,800 00 | 773 50 | ... | 1,026 50 |
| Expenses of Arabic Translation ... | 1,200 00 | 1,200 00 | ... | ... |
| Bonuses for encouragement of Padi Cultivation—M. ... | 750 00 | 695 00 | ... | 55 00 |
| | 55,425 00 | 40,550 59 | 163 27 | 15,037 68 |
| <i>II.—SPECIAL EXPENDITURE.</i> | | | | |
| Purchase of Typewriters, P., \$260; M., \$145 ... | 785 00 | 405 00 | ... | 380 00 |
| Residency Furniture, P. ... | 2,000 00 | ... | ... | 2,000 00 |
| Furniture and Linen, Colonial Secretary's Bungalow, S. ... | 3,500 00 | 3,466 95 | ... | 33 05 |
| Purchase of Typewriter, S. ... | ... | <i>b</i> 260 00 | 260 00 | ... |
| | 6,285 00 | 4,131 95 | 260 00 | 2,413 05 |
| Total, Colonial Secretary, Etc. ... | 192,024 00 | 212,349 92 | 37,776 65 | 17,450 73 |
| 7.—GOVT. PRINTING OFFICE:— | | | | |
| <i>A—Personal Emoluments</i> ... | 92,689 00 | 85,538 29 | ... | 7,150 71 |
| | 92,689 00 | 85,538 29 | ... | 7,150 71 |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Furniture and Repairs ... | 400 00 | 391 83 | ... | 8 17 |
| Gas and Electric Current ... | 4,000 00 | 3,716 90 | ... | 283 10 |
| Machinery, Maintenance and Repairs ... | 1,500 00 | 1,414 98 | ... | 85 07 |
| Miscellaneous ... | 1,000 00 | 1,189 06 | 189 06 | ... |
| Overtime Wages ... | 2,000 00 | 4,321 76 | 2,321 76 | ... |
| Purchase of Type Sundries ... | 400 00 | 587 51 | 187 51 | ... |
| Purchase of Stereo Metal ... | 1,000 00 | ... | ... | 1,000 00 |
| Purchase of Linotype Metal ... | 2,400 00 | 1,477 49 | ... | 922 51 |
| Purchase of Printing Paper and Requisites ... | 30,000 00 | 91,172 23 | 61,172 23 | ... |
| India Rubber Stamp Sundries ... | 300 00 | ... | ... | 300 00 |
| <i>Carried forward</i> ... | 43,000 00 | 104,271 71 | 63,870 56 | 2,598 85 |
| <i>Carried forward</i> ... | 92,689 00 | 85,538 29 | ... | 7,150 71 |
| <i>Carried forward</i> ... | 1,886,050 00 | 1,679,930 91 | 113,416 27 | 319,535 36 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------|---------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 1,886,050 00 | 1,679,930 91 | 113,416 27 | 319,535 36 |
| 7.—GOVT. PRINTING OFFICE.— <i>Ctd.</i> | | | | |
| <i>Brought forward</i> ... | 92,689 00 | 85,538 19 | ... | 7,150 71 |
| B—OTHER CHARGES.— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 43,000 00 | 104,271 71 | 63,870 56 | 2,598 85 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Linotype Machines (two) ... | 18,000 00 | .. | .. | 18,000 00 |
| Purchase of one No. 3 Miehle two revolution cylinder Printing machine and two centurette two revolution cylinder Printing machine ... | .. | <i>a</i> 36,665 53 | 36,665 33 | .. |
| Purchase of 16 Fire Extinguishers ... | .. | <i>a</i> 160 00 | 160 00 | .. |
| | 18,000 00 | 36,825 33 | 36,825 33 | 18,000 00 |
| Total, Government Printing Office ... | 153,689 00 | 226,635 33 | 100,695 89 | 27,749 56 |
| 8.—LAND AND DISTRICT OFFICES:— | | | | |
| A—Personal Emoluments ... | 223,366 00 | <i>b</i> 253,023 93 | 29,657 93 | ... |
| | 223,366 00 | 253,023 93 | 29,657 93 | ... |
| B—OTHER CHARGES. | | | | |
| 1.—ANNUALLY RECURRENT. | | | | |
| <i>Land Offices and Registries of Deeds</i> | | | | |
| Repairs to Irrigation Dams—M. ... | 1,000 00 | 1,026 10 | 26 10 | ... |
| Miscellaneous—S., \$701.03; P., \$685.43; M., \$340.14 ... | 2,000 00 | 1,726 60 | .. | 273 40 |
| Transport and Travelling Allowances—S., \$3,719.53; P., \$1,656.50; M., \$141.80 ... | 7,425 00 | 5,517 83 | .. | 1,907 17 |
| Penghulus, Sidangs, Etc., Allowances to—S., \$150.00; M., \$777.00 ... | 1,450 00 | 927 00 | .. | 523 00 |
| Purchase of Boundary stones—P., \$345.00; M., \$3,001.05; L., \$121.50 ... | 4,400 00 | 3,467 55 | .. | 932 45 |
| Bonuses for encouragement of Padi cultivation—P. ... | 300 00 | ... | ... | 300 00 |
| <i>District Offices.</i> | | | | |
| Demarcation Expenses, Etc., A. G., \$278.40; B. P., \$48.50; B. M., \$88.00; B., \$10.60; D., \$93.30; J., \$58.62 ... | 1,300 00 | 607 42 | .. | 692 58 |
| District Officers' Quarters, Eight at \$300; Maintenance of—B. P., \$299.92; B., \$307.24; N. T., \$299.70; A. G., \$300.00; J., \$299.45; D., \$299.14; C. I., \$119.12; B. M., \$239.47 ... | 2,400 00 | 2,164 04 | .. | 235 96 |
| Lock-ups, General Expenses—C. I., \$85.00; D., \$806.13 ... | 1,700 00 | 891 13 | .. | 808 87 |
| <i>Carried forward</i> ... | 21,975 00 | 16,327 67 | 26 10 | 5,673 43 |
| <i>Carried forward</i> ... | 223,366 00 | 253,023 93 | 29,657 93 | ... |
| <i>Carried forward</i> ... | 2,039,739 00 | 1,906,566 24 | 214,112 16 | 347,284 92 |

(a) Unestimated.

(b) Labuan \$4,479.64.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------|--------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 2,039,739 00 | 1,906,566 24 | 214,112 16 | 347,284 92 |
| 3.—LAND AND DISTRICT OFFICES— <i>Ctd.</i> | | | | |
| <i>Brought forward</i> ... | 223,366 00 | 253,023 93 | 29,657 93 | ... |
| B—OTHER CHARGES— <i>Continued.</i> | | | | |
| I.—ANNUALLY RECURRENT.— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 21,975 00 | 16,327 67 | 26 10 | 5,673 43 |
| <i>District Offices—Continued.</i> | | | | |
| Marine Expenses—D., Boat numbers, \$335.45, Clothing, \$334.32, Launch and Boats, \$3,369.18, Buoys and Lights, \$317.39 and Miscellaneous, \$29.36 ... | 4,530 00 | 4,385 70 | ... | 144 30 |
| Miscellaneous—A. G., \$151.54; B. P., \$108.30; B.M., \$308.82; B., \$196.35; C.I., \$183.95; D., \$333.84; J., \$103.66; L., \$55.45; N.T., \$252.29 ... | 1,739 00 | 1,694 20 | ... | 44 80 |
| Penghulus, Sidangs, Etc., Allowances to—A.G., \$218.50; B., \$200.00; J., \$184.00; L., \$828.00 ... | 3,540 00 | 1,430 50 | ... | 2,109 50 |
| Recreation Clubs, Grants to—B., \$200; D., \$150; B.P., \$150; B.M., \$150; N.T., \$150; A.G., \$150; J., \$150 ... | 1,100 00 | 1,100 00 | ... | ... |
| Transport and Travelling Allowances—A. G., \$4,651.17; B.P., \$2,786.84; B.M., \$1,943.65; B., \$4,021.10; C.I., \$1,207.04; D., \$2,894.57; J., \$4,207.91; L., \$179.80; N.T., \$2,711.76 ... | 22,144 00 | 21,603 84 | 2,459 84 | ... |
| Good-conduct Pay, Sikh Police (C.I.) ... | 200 00 | 167 00 | ... | 33 00 |
| Medical Attendance (C.I.) ... | 1,200 00 | 1,200 00 | ... | ... |
| Purchase of Boundary Stones—B.P., \$50; B.M., \$4.35; B., \$100.00; D., \$350.00; N.T., \$100 ... | 1,050 00 | 604 35 | ... | 445 65 |
| Bonuses for encouragement of padi cultivation, P. ... | 300 00 | ... | ... | 300 00 |
| Upkeep of Stations—B.M., \$312.00; R.L., \$61.00; D.O.L., \$675.00; B., \$300.00; J., \$425.00; N.T., \$858.00; B.P., \$144; C.I., \$0.79; A.G., \$408 00; D., \$982.72 | 5,030 00 | 4,166 51 | .. | 863 49 |
| | 62,808 00 | 55,679 77 | 2,485 94 | 9,614 17 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Refurnishing Senior District Officer's Quarters, P. W. ... | 2,500 00 | 2,499 96 | ... | 0 04 |
| Purchase of a Safe, L. ... | 800 00 | 705 30 | ... | 94 70 |
| Purchase of a Typewriter, J. ... | 150 00 | 185 00 | 35 00 | ... |
| Purchase of a Typewriter, S. ... | 175 00 | 145 00 | ... | 30 00 |
| Furniture for District Officer's Quarters, D. ... | 1,500 00 | 1,467 19 | ... | 32 81 |
| Supply of Survey Instruments for use of Land Bailiffs, Malacca ... | ... | a 406 33 | 406 33 | ... |
| Purchase of a new boat for X'mas Island ... | ... | a 300 60 | 300 60 | ... |
| | 5,125 00 | 5,709 38 | 741 93 | 157 55 |
| Total, Land and District Offices ... | 291,299 00 | 314,413 08 | 32,885 80 | 9,771 72 |
| <i>Carried forward</i> ... | 2,331,038 00 | 2,220,979 32 | 246,997 96 | 357,056 64 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------|--------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 2,331,038 00 | 2,220,979 32 | 246,997 96 | 357,056 64 |
| 9.—FORESTS:— | | | | |
| <i>A</i> —Personal Emoluments ... | 34,525 00 | 41,551 80 | 7,026 80 | ... |
| | 34,525 00 | 41,551 80 | 7,026 80 | ... |
| <i>B</i> —OTHER CHARGES. | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | |
| Boundaries and Paths (maintenance)—P., \$2.25; M., \$1,650.18; D., \$36.30 ... | 2,900 00 | 1,688 73 | ... | 1,211 27 |
| Forest Protection ... | 200 00 | ... | ... | 200 00 |
| Forest Reserves (improving) ... | 300 00 | ... | ... | 300 00 |
| Miscellaneous—S., \$67.12; P., \$278.43; D., \$298.85; M., \$227.65 ... | 1,250 00 | 872 05 | ... | 377 95 |
| Planting and Cultural Operations—S., \$102.40; P., \$348.04; D., \$486.08 ... | 1,400 00 | 936 52 | ... | 463 48 |
| Transport, Field and Other Allowances— S., \$895.18; P., \$1,585.76; D., \$1,267.74; M., \$2,524.62 ... | 8,250 00 | 6,273 30 | ... | 1,976 70 |
| Uniforms—S., \$215.60; P., \$338.60; D., \$399.90; M., \$594 ... | 2,400 00 | 1,548 10 | ... | 851 90 |
| Working Plans, S. ... | 100 00 | 40 50 | ... | 59 50 |
| Exploration and Extension of Reserves—D. ... | 150 00 | ... | ... | 150 00 |
| Repair of temporary Buildings—P. & D... ... | 100 00 | ... | ... | 100 00 |
| Fuel for Launch—D. ... | 150 00 | 124 15 | ... | 25 85 |
| Maintenance of Ayer Kroh Plantation —M. ... | ... | (a) 151 50 | 151 50 | ... |
| | 17,200 00 | 11,634 85 | 151 50 | 5,716 65 |
| Total, Forests ... | 51,725 00 | 53,186 65 | 7,178 30 | 5,716 65 |
| 10.—CHINESE AND INDIAN IMMI- GRANTS' PROTECTION:— | | | | |
| <i>A</i> —Personal Emoluments ... | 44,106 00 | 46,363 24 | 2,257 24 | ... |
| | 44,106 00 | 46,363 24 | 2,257 24 | ... |
| <i>B</i> —OTHER CHARGES. | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | |
| <i>Chinese Protectorate.</i> | | | | |
| Miscellaneous—S., \$1,000.00; P., \$729.94; M., \$73.43 ... | 1,460 00 | 1,803 37 | 343 37 | ... |
| Secret Service, S., \$590.00; P., \$800.00; M., \$77.00 ... | 1,850 00 | 1,467 00 | ... | 383 00 |
| Transport, Travelling and Other Allowances —S., \$3,636.85; P., \$2,108.30; M., \$8.96 ... | 5,770 00 | 5,754 11 | ... | 15 89 |
| Water Supply ... | 80 00 | 184 08 | 104 08 | ... |
| <i>Carried forward</i> ... | 9,160 00 | 9,208 56 | 447 45 | 398 89 |
| <i>Carried forward</i> ... | 44,106 00 | 46,363 24 | 2,257 24 | ... |
| <i>Carried forward</i> ... | 2,382,763 00 | 2,274,165 97 | 254,176 26 | 362,773 29 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|--------------|--------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 2,382,763 00 | 2,274,165 97 | 254,176 26 | 362,773 29 |
| 10.—CHINESE AND INDIAN IMMI- GRANTS' PROTECTION— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 44,106 00 | 46,363 24 | 2,257 24 | .. |
| B—OTHER CHARGES— <i>Continued.</i> | | | | |
| I.—ANNUALLY RECURRENT— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 9,160 00 | 9,208 56 | 447 45 | 398 89 |
| <i>Indian Immigration.</i> | | | | |
| Clerical Assistance and Miscellaneous (S.) | 450 00 | 326 09 | ... | 123 91 |
| Share of Departmental Expenses ... | 41,748 00 | 47,146 68 | 5,398 68 | ... |
| Contingencies (M.) ... | 250 00 | ... | ... | 250 00 |
| | 51,608 00 | 56,681 33 | 5,846 13 | 772 80 |
| II.—SPECIAL EXPENDITURE. | | | | |
| <i>Indian Immigration.</i> | | | | |
| Furniture (M.) ... | 350 00 | ... | ... | 350 00 |
| Safe (M.) ... | 300 00 | ... | ... | 300 00 |
| Typewriting Machine (M.) ... | 175 00 | ... | ... | 175 00 |
| Typewriter (P.) ... | 150 00 | 150 00 | ... | ... |
| Indian Passport Office, Expenses of | 2,150 00 | ... | ... | 2,150 00 |
| Excess expenditure in connection with a case against one Cheong Kee Fook for wrongful confinement of Coolies ... | ... | a 151 80 | 151 80 | ... |
| | 3,125 00 | 301 80 | 151 80 | 2,975 00 |
| Total, Chinese and Indian Immigrants' Protection ... | 98,839 00 | 103,346 37 | 8,255 17 | 3,747 80 |
| 11.—TREASURY:— | | | | |
| A.—Personal Emoluments ... | 191,467 00 | 193,214 79 | 1,747 79 | ... |
| | 191,467 00 | 193,214 79 | 1,747 79 | ... |
| B.—OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Miscellaneous—S., \$1,134.17; P., \$401; M., \$92.07 ... | 1,150 00 | 1,627 24 | 477 24 | ... |
| Purchase of Stamps (S.S.) ... | 10,000 00 | 23,526 13 | 13,526 13 | ... |
| Transport (Probate)—S. ... | 195 00 | 120 00 | ... | 75 00 |
| Expenses of Probate Inquiries ... | 50 00 | ... | ... | 50 00 |
| Transport and Travelling Allowances ... | 720 00 | 720 00 | ... | ... |
| | 12,115 00 | 25,993 37 | 14,003 37 | 125 00 |
| II. SPECIAL EXPENDITURE. | | | | |
| Purchase of two Typewriters, S. & M. ... | 500 00 | 460 00 | ... | 40 00 |
| Purchase of a safe for the Stamp Office, Singapore ... | ... | a 400 00 | 400 00 | ... |
| Cost of a steel Cheque Die for the new Stamping Machine, M. ... | ... | a 409 61 | 409 61 | ... |
| | 500 00 | 1,269 61 | 809 61 | 40 00 |
| Total, Treasury ... | 204,082 00 | 220,477 77 | 16,560 77 | 165 00 |
| <i>Carried forward</i> ... | 2,685,684 00 | 2,597,990 11 | 278,992 20 | 366,686 09 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--|--------------|--------------|-----------------------|------------------------|
| | | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | | 2,685,684 00 | 2,597,990 11 | 278,992 20 | 366,686 09 |
| 12.—AUDIT:— | | | | | |
| A—Personal Emoluments ... | | 78,632 00 | a 75,544 15 | ... | 3,087 85 |
| | | 78,632 00 | 75,544 15 | ... | 3,087 85 |
| B—OTHER CHARGES. | | | | | |
| I.—ANNUALLY RECURRENT. | | | | | |
| Clerical Assistance—S., \$10.00; P., \$74 | | 125 00 | 84 00 | ... | 41 00 |
| Miscellaneous—S., \$234.37; P., \$80.50; M., \$29.40 ... | | 350 00 | 344 27 | ... | 5 73 |
| Transport and Other Allowances—S., \$278.30; P., \$579.20; M., \$199.94; L., \$180.00 ... | | 1,410 00 | 1,237 44 | ... | 172 56 |
| | | 1,885 00 | 1,665 71 | ... | 219 29 |
| II.—SPECIAL EXPENDITURE. | | | | | |
| Purchase of a Typewriter, S ... | | 250 00 | 250 00 | ... | ... |
| | | 250 00 | 250 00 | ... | ... |
| Total, Audit ... | | 80,767 00 | 77,459 86 | ... | 3,307 14 |
| 13.—DIRECTOR OF EXTERNAL AUDIT. | | | | | |
| A—Personal Emoluments ... | | 74,188 00 | b 520 75 | ... | 74,708 75 |
| | | 74,188 00 | 520 75 | ... | 74,708 75 |
| B—OTHER CHARGES. | | | | | |
| I.—ANNUALLY RECURRENT. | | | | | |
| Miscellaneous—S., \$149.40; P., \$67.65 ... | | 320 00 | 217 05 | ... | 102 95 |
| Transport and Other Allowances—S., \$144.33; P., \$159.37 ... | | 1,500 00 | 303 70 | ... | 1,196 30 |
| | | 1,820 00 | 520 75 | ... | 1,299 25 |
| Total, Director of External Audit ... | | 76,008 00 | ... | ... | 76,008 00 |
| 14.—MARINE:— | | | | | |
| A—Personal Emoluments ... | | 360,175 00 | c 348,803 72 | ... | 11,371 28 |
| | | 360,175 00 | 348,803 72 | ... | 11,371 28 |
| B—OTHER CHARGES. | | | | | |
| I.—ANNUALLY RECURRENT. | | | | | |
| <i>Harbours, Shipping Office, Etc.</i> | | | | | |
| Allowances, Deputy Shipping Master and Clerk—S. ... | | 360 00 | 360 00 | ... | ... |
| Allowances, Officers, S. T. <i>Sea Gull</i> —P. ... | | 250 00 | 231 68 | ... | 18 32 |
| Allowances, (Rent) Boarding Officer—(P.) | | 120 00 | 120 00 | ... | ... |
| Allowances, Overtime—S. ... | | 400 00 | 323 19 | ... | 76 81 |
| Bunting—S., \$229.08; P., \$75; M., \$27.62; L., \$98.10 ... | | 800 00 | 429 80 | ... | 370 20 |
| Courts of Enquiry, Etc.—S., \$8; P., \$13.50 | | 350 00 | 21 50 | ... | 328 50 |
| Fees for Examiners for Certificates of Competency (foreign-going ships) ... | | 300 00 | 280 00 | ... | 20 00 |
| Ghari and Boat hire—S., \$555.53; P., \$94.90 ... | | 725 00 | 650 43 | ... | 74 57 |
| <i>Carried forward</i> ... | | 3,305 00 | 2,416 60 | ... | 888 40 |
| <i>Carried forward</i> ... | | 360,175 00 | 348,803 72 | ... | 11,371 28 |
| <i>Carried forward</i> ... | | 2,842,459 00 | 2,675,449 97 | 278,992 20 | 446,001 23 |

(a) Labuan \$1.250. (b) Expenditure Credit. (c) Labuan \$13,418.47.

**STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.**

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|--------------|--------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 2,842,459 00 | 2,675,449 97 | 278,992 20 | 446,001 23 |
| 14.—MARINE—Continued. | | | | |
| <i>Brought forward ...</i> | 360,175 00 | 348,803 72 | ... | 11,371 28 |
| B—OTHER CHARGES—Continued. | | | | |
| I.—ANNUALLY RECURRENT—Continued. | | | | |
| <i>Brought forward ...</i> | 3,305 00 | 2,416 60 | ... | 888 40 |
| Harbours, Shipping Office, Etc.—Continued. | | | | |
| Commuted Allowances—S., \$299.99; P., \$492.90 ... | 780 00 | 792 89 | 12 89 | ... |
| Miscellaneous—S., \$1,435.42; P., \$1,020.95; M., \$104.49; L., \$23.90 ... | 2,035 00 | 2,584 76 | 549 76 | ... |
| Quarantine Expenses—S. \$1,392.20, P., \$32.50 ... | 2,422 00 | 1,424 70 | ... | 997 30 |
| Rations and Clothing—S., \$13,209.23; P., \$1,122.53; M., \$768.93; L., \$660.72 ... | 12,736 00 | 15,761 41 | 3,025 41 | ... |
| Ships' Stores—S., \$10,874.97; P., \$4,052.50; M., \$599.03; L., \$349.61 ... | 15,640 00 | 15,876 11 | 236 11 | ... |
| Steam Launches, Etc., Maintenance—S., \$48,126.56; P., \$17,216.65; M., \$2,850.99; L., \$899.25 ... | 61,884 00 | 69,093 45 | 7,209 45 | ... |
| Steam Launches, Fuel and Water—S., \$63,678.94; P., \$27,757.61; M., \$1,877.89; L., \$2,991.75 ... | 124,860 00 | 96,306 19 | ... | 28,553 81 |
| Time Balls, Maintenance—S. ... | 650 00 | 495 72 | ... | 154 28 |
| Tin, Paint, Etc., (Boat Registration)—S., \$1,773.80; P., \$1,799.45; M., \$329.10 ... | 3,600 00 | 3,902 35 | 302 35 | ... |
| Transport and Travelling Allowances—S., \$2,618.39; P., \$446.68; M., \$483.84 ... | 1,880 00 | 3,548 91 | 1,668 91 | ... |
| Up-keep of Boats—L. ... | 100 00 | 98 10 | ... | 1 90 |
| Maintenance of special service plant—S. ... | 2,000 00 | ... | ... | 2,000 00 |
| Water Supply to Public Buildings—S. ... | 1,250 00 | 1,107 42 | ... | 142 58 |
| Purchase of Tide Tables—P. ... | 550 00 | 740 18 | 190 18 | ... |
| LIGHT-HOUSES, ETC.:— | | | | |
| Fuel and Water, Lighthouse Tender—S. ... | 6,000 00 | 12,000 00 | 6,000 00 | ... |
| Gas, Harbour Lights—S. ... | 200 00 | 192 90 | ... | 7 10 |
| Maintenance of Buoys, and Light-house Plant—S., \$7,170.53; P., \$7,374.99; M., \$769.96; L., \$741.12 ... | 11,804 00 | 16,056 60 | 4,252 60 | ... |
| Maintenance of Lighter—L. ... | 350 00 | 348 88 | ... | 1 12 |
| Miscellaneous—S., \$459.54; P., \$36.00; D., \$98.88; M., \$89.45 ... | 882 00 | 683 87 | ... | 198 13 |
| Oil and Stores—S., \$6,414.76; P., \$2,332.70; D., \$199.60; L., \$1,499.24 ... | 10,340 00 | 10,446 30 | 106 30 | ... |
| Rations and Clothing—S., \$9,708.33; P., \$3,425.75; D., \$988.20; M., \$5,255.26; L., \$1,316.90 ... | 28,852 00 | 20,694 44 | ... | 8,157 56 |
| Stores—S. ... | 1,000 00 | 618 42 | ... | 381 58 |
| Substitutes for Light-keepers and Men—P., \$180.00; L., \$33.15 ... | 430 00 | 213 15 | ... | 216 85 |
| MARINE SURVEYS:— | | | | |
| Miscellaneous—S., \$369.85; P., \$99.03 ... | 490 00 | 468 88 | ... | 21 12 |
| Motor Car Allowance—P. ... | 1,320 00 | 869 26 | ... | 450 74 |
| Transport, Travelling and Personal Allowances—S., P., & M. ... | 8,040 00 | 5,515 10 | ... | 2,524 90 |
| <i>Carried forward ...</i> | 303,400 00 | 282,256 59 | 23,553 96 | 44,697 37 |
| <i>Carried forward ...</i> | 360,175 00 | 348,803 72 | ... | 11,371 28 |
| <i>Carried forward ...</i> | 2,842,459 00 | 2,675,449 97 | 278,992 20 | 446,001 23 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | | ACTUAL. | | OVER THE ESTIMATE. | | UNDER THE ESTIMATE. | |
|---|------------|----|-----------|----|-----------------------|----|------------------------|----|
| | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| <i>Brought forward</i> ... | 2,842,459 | 00 | 2,675,449 | 97 | 278,992 | 20 | 446,001 | 23 |
| 14.—MARINE—Continued. | | | | | | | | |
| <i>Brought forward</i> ... | 360,175 | 00 | 348,803 | 72 | ... | | 11,371 | 28 |
| B—OTHER CHARGES—Continued. | | | | | | | | |
| <i>Brought forward</i> ... | 303,400 | 00 | 282,256 | 59 | 23,553 | 96 | 44,697 | 31 |
| COLONIAL STEAMER "Sea Mew":— | | | | | | | | |
| I.—ANNUALLY RECURRENT. | | | | | | | | |
| Docking and Repairs ... | 6,500 | 00 | 1,059 | 18 | ... | | 5,440 | 82 |
| Extra Lascars and Firemen ... | 450 | 00 | ... | | ... | | 450 | 00 |
| Fuel and Water ... | 8,000 | 00 | 1,855 | 94 | ... | | 6,144 | 06 |
| Miscellaneous ... | 300 | 00 | 228 | 85 | ... | | 71 | 15 |
| Rations and Clothing ... | 10,900 | 00 | 3,809 | 82 | ... | | 7,090 | 18 |
| Ships' Stores and Bunting ... | 4,270 | 00 | 1,227 | 14 | ... | | 3,042 | 86 |
| IMPORTS AND EXPORTS:— | | | | | | | | |
| Contingent Expenses ... | ... | | a 170 | 61 | 170 | 61 | ... | |
| Transport and Travelling Allowances ... | ... | | a 244 | 63 | 244 | 63 | ... | |
| | 333,820 | 00 | 290,852 | 76 | 23,969 | 20 | 66,936 | 44 |
| II.—SPECIAL EXPENDITURE. | | | | | | | | |
| Purchase of flashing lamp and models (S.) | 248 | 00 | ... | | ... | | 248 | 00 |
| New Life Boat (S.) ... | 650 | 00 | ... | | ... | | 650 | 00 |
| New Motor Launch (S.) ... | 5,000 | 00 | ... | | ... | | 5,000 | 00 |
| New Launch, Purchase of (S.) ... | 60,000 | 00 | 50,000 | 00 | ... | | 10,000 | 00 |
| Steam Launches, lifting boilers of, and repairs to (S.) ... | 39,500 | 00 | 39,464 | 85 | ... | | 35 | 15 |
| Singapore River Buoys, Stud chains for (S.) ... | 1,000 | 00 | 989 | 56 | ... | | 10 | 44 |
| Sampan, Purchase of (S.) ... | 120 | 00 | ... | | ... | | 120 | 00 |
| Typewriter, Purchase of (S.) ... | 155 | 00 | 185 | 00 | 30 | 00 | ... | |
| Singapore Clockworks for Light-houses, Purchase of (S.) ... | 2,360 | 00 | ... | | ... | | 2,360 | 00 |
| Cable mark, Erection of (P.) ... | 7,500 | 00 | ... | | ... | | 7,500 | 00 |
| New Launch, Purchase of (P.) ... | 60,000 | 00 | ... | | ... | | 60,000 | 00 |
| Two Typewriters, Purchase of (P.) ... | 450 | 00 | 420 | 00 | ... | | 30 | 00 |
| New Pump, Kuruman Island Light-house, (L.) ... | 200 | 00 | ... | | ... | | 200 | 00 |
| New Boat, Kuruman Island Lighthouse (L.) ... | 200 | 00 | ... | | ... | | 200 | 00 |
| New Government Yacht ... | 1,285,715 | 00 | ... | | ... | | 1,285,715 | 00 |
| Purchase of the proposed New Yacht, Expenses in connection with the ... | ... | | a 2,175 | 54 | 2,175 | 54 | ... | |
| Extra Assistance in the Import and Export Office (S.) ... | ... | | a 1,616 | 66 | 1,616 | 66 | ... | |
| Coal supplied to the S. Y. <i>Sea Belle</i> during the visit of His Excellency the Governor to Brunei ... | ... | | a 2,600 | 00 | 2,600 | 00 | ... | |
| Purchase of two Mechanical Adding Machines for the Import and Export Office ... | ... | | a 665 | 54 | 665 | 54 | ... | |
| | 1,463,098 | 00 | 98,117 | 15 | 7,087 | 74 | 1,372,068 | 59 |
| Total, Marine ... | 2,157,093 | 00 | 737,773 | 63 | 31,056 | 94 | 1,450,376 | 31 |
| <i>Carried forward</i> ... | 4,999,552 | 00 | 3,413,223 | 60 | 310,049 | 14 | 1,896,377 | 54 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|--------------|--------------|--------------------|---------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 4,999,552 00 | 3,413,223 60 | 310,049 14 | 1,896,377 54 |
| 15.—LEGAL:— | | | | |
| <i>A—Personal Emoluments</i> ... | 410,039 00 | a 391,651 99 | ... | 18,387 01 |
| | 410,039 00 | 391,651 99 | ... | 18,387 01 |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| REGISTRIES, SUPREME COURT:— | | | | |
| Compensation to Witnesses—S., \$50.00; P., \$1,292.76; M., \$30 ... | 1,650 00 | 1,372 76 | ... | 277 24 |
| Furniture and Repairs—S. ... | 200 00 | 31 00 | ... | 169 00 |
| Jurors' Allowances, S., \$145.04; P., \$1,104.60; M., \$1,116.00 ... | 1,600 00 | 2,365 64 | 765 64 | ... |
| Law Books and Library (S.) ... | 2,500 00 | 2,363 90 | ... | 136 10 |
| Legal Assistance in Capital Cases—S., \$1,942.10; P., \$700.00; M., \$400.00 | 2,000 00 | 3,042 10 | 1,042 10 | ... |
| Miscellaneous—S., \$904.29; P., \$934.00; M., \$118.66 ... | 1,364 00 | 1,956 95 | 592 95 | ... |
| Serving Process and Extra Bailiffs—S., \$4.28; P., \$291.48 ... | 340 00 | 295 76 | ... | 44 24 |
| Transport and Travelling Allowances ... | 7,640 00 | 9,962 52 | 2,322 52 | ... |
| ATTORNEY-GENERAL:— | | | | |
| Crown Prosecutions—S., \$5,302.98; P., \$20.00 ... | 200 00 | 5,322 98 | 5,122 98 | ... |
| Library—S., \$309.70; P., \$125.74 ... | 750 00 | 435 44 | ... | 314 56 |
| Miscellaneous—S., \$270.09; P., \$161.53 | 462 00 | 431 62 | ... | 30 38 |
| Transport and Travelling Allowances—S., \$997.76; P., \$56.49 ... | 1,120 00 | 1,054 25 | ... | 65 75 |
| BANKRUPTCY:— | | | | |
| Contingency Fund (Legal Expenses)—S. ... | 250 00 | 32 00 | ... | 218 00 |
| Miscellaneous—S., \$173.02; P., \$58.49 ... | 304 00 | 231 51 | ... | 72 49 |
| DISTRICT AND POLICE COURTS (CRIMINAL):— | | | | |
| Extra Interpreters—S., \$34.00; P., \$21.00; M., \$24.66 ... | 200 00 | 79 66 | ... | 120 34 |
| Furniture—S. ... | 100 00 | 83 84 | ... | 16 16 |
| Miscellaneous—S., \$274.01; P., \$224.65; M., \$65.88; L., \$33.75 ... | 565 00 | 598 29 | 33 29 | ... |
| Transport—S., \$26.70; P., \$222.70 ... | 450 00 | 249 40 | ... | 200 60 |
| Telephone Rent (S.) ... | 300 00 | 136 50 | ... | 163 50 |
| DISTRICT COURTS (CIVIL):— | | | | |
| Miscellaneous—S., \$239.90; P., \$204.73; M., \$9.07 ... | 370 00 | 453 70 | 83 70 | ... |
| Transport of Bailiffs—S., \$1,170.64; P., \$222.00; M., \$6.90 ... | 1,922 00 | 1,399 54 | ... | 522 46 |
| Telephone Rent—S. ... | 44 00 | ... | ... | 44 00 |
| <i>Carried forward</i> ... | 24,331 00 | 31,899 36 | 9,963 18 | 2,394 82 |
| <i>Carried forward</i> ... | 410,039 00 | 391,651 99 | ... | 18,387 01 |
| <i>Carried forward</i> ... | 4,999,552 00 | 3,413,223 60 | 310,049 14 | 1,896,377 54 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|--------------|--------------|--------------------|---------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 4,999,552 00 | 3,413,223 60 | 310,049 14 | 1,896,377 54 |
| 16.—LEGAL—Continued. | | | | |
| <i>Brought forward</i> .. | 410,039 00 | 391,651 99 | ... | 18,387 01 |
| B.—OTHER CHARGES—Continued. | | | | |
| <i>Brought forward</i> ... | 24,331 00 | 31,899 36 | 9,963 18 | 2,394 82 |
| CORONERS:— | | | | |
| Miscellaneous—S., \$285.25; P., \$1,269.73 | 1,325 00 | 1,554 98 | 229 98 | ... |
| Rent (S.) ... | 240 00 | ... | ... | 240 00 |
| Transport—S., \$1,320; P., \$300; M., \$45.46 | 1,430 00 | 1,665 46 | 235 46 | ... |
| | 27,326 00 | 35,119 80 | 10,428 62 | 2,634 82 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Typewriters, Attorney-General, S., and Solicitor-General, P. ... | 450 00 | 385 00 | ... | 65 00 |
| Typewriter, Bankruptcy Office—S. ... | 220 00 | 220 00 | ... | ... |
| Typewriter, Police Courts—S. ... | ... | a 185 00 | 185 00 | ... |
| Typewriter, Supreme Court—P. ... | ... | a 345 00 | 345 00 | ... |
| | 670 00 | 1,135 00 | 530 00 | 65 00 |
| Total, Legal ... | 438,035 00 | 427,906 79 | 10,958 62 | 21,086 83 |
| 16.—POLICE:— | | | | |
| A—Personal Emoluments ... | 1,524,148 00 | 1,936,815 66 | 412,667 66 | ... |
| | 1,524,148 00 | 1,936,815 66 | 412,667 66 | ... |
| B—OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Agency, Suppression of Crime—S., \$3,580; P., \$1,671; M., \$319.50 | 5,500 00 | 5,520 50 | 20 50 | ... |
| Allowances, Special Detective Force—S., \$1,345; P., \$985; M., \$360 | 3,360 00 | 2,690 00 | ... | 670 00 |
| Allowances, Wives and Children, Sikh Contingent—S., P., M., \$1,565.58; L., \$1,220.30 | 2,364 00 | 2,785 88 | 421 88 | ... |
| Ammunition and Repairs of Arms—S., \$1,376.28; P., \$2,136.44; M., \$1,170.10 | 7,275 00 | 4,682 82 | ... | 2,592 18 |
| <i>Carried forward</i> ... | 18,499 00 | 15,679 20 | 442 38 | 3,262 18 |
| <i>Carried forward</i> ... | 1,524,148 00 | 1,936,815 66 | 412,667 66 | ... |
| <i>Carried forward</i> ... | 5,437,587 00 | 3,841,130 39 | 321,007 76 | 1,917,464 37 |

(a) Unestimated.

(b) Labuan \$30,113.60.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------|--------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 5,437,587 00 | 3,841,130 39 | 321,007 76 | 1,917,464 37 |
| 16.—POLICE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 1,524,148 00 | 1,936,815 66 | 412,667 66 | ... |
| <i>B—OTHER CHARGES—Continued.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT—Continued.</i> | | | | |
| <i>Brought forward</i> ... | 18,499 00 | 15,679 20 | 442 38 | 3,262 18 |
| Boats and Boat Stores—S., \$488.43; P., \$465.37; M., \$47.65 ... | 7,300 00 | 1,001 45 | ... | 6,298 55 |
| Bonus for Recruits—S., \$1,754.32; P., \$1,070; M., \$650 ... | 4,300 00 | 3,474 32 | ... | 825 68 |
| Clothing and Accoutrements—S., \$46,570.58; P., \$35,363.30; M., \$8,549.84; L., \$1,681.78 ... | 97,966 00 | 92,165 50 | ... | 5,800 50 |
| Conveyance of Witnesses and Prisoners—S., \$12,346.13; P., \$6,759.44; M., \$9,109.89 ... | 23,000 00 | 28,215 46 | 5,215 46 | ... |
| Fuel and oil for motor Launches—S. ... | 11,500 00 | 457 20 | ... | 11,042 80 |
| Fire Engines—P. ... | 400 00 | 6 05 | ... | 393 95 |
| Furniture and Fittings—S., \$7,641.38; P., \$3,494.96; M., \$181.45; L., \$214.46 ... | 5,800 00 | 11,532 25 | 5,732 25 | ... |
| Good Conduct Allowance—S., \$4,093.99; P., \$3,687.16; M., \$1,094.50; L., \$191.72 ... | 11,158 00 | 9,067 37 | ... | 2,090 63 |
| Lighting—S., \$7,327.88; P., \$4,458.29; M., \$1,225.75; L., \$214.00 ... | 11,620 00 | 13,225 92 | 1,605 92 | ... |
| Lodging Allowances, Detective Force—S., \$6,222.85; P., \$2,859.10; M., \$353; L., \$26 ... | 11,124 00 | 9,470 95 | ... | 1,653 05 |
| Maintenance of Powder Magazines—S., \$132.00; P., \$19.50 ... | 204 00 | 151 50 | ... | 52 50 |
| Maintenance and repairs of motor Launches, P. ... | 1,500 00 | ... | ... | 1 500 00 |
| Maintenance of Telephones—S. ... | 3,998 00 | 4,064 31 | 66 31 | ... |
| Miscellaneous—S., \$16,948.75; P., \$6,395.61; M., \$2,710.25; L., \$150.31 ... | 26,386 00 | 26,204 92 | ... | 181 08 |
| Bicycles and motor cycles for Inspectors, S.S. ... | 1,800 00 | 2,075 00 | 275 00 | ... |
| Passages of Police to and from the Colony—(S.S.) S., P. & M., \$44,989.58; L., \$572.34 ... | 15,955 00 | 45,561 92 | 29,606 92 | ... |
| Ponies for Inspectors—S.S. ... | 300 00 | ... | ... | 300 00 |
| Police Dépôt, Miscellaneous—M. ... | 392 00 | 541 88 | 149 88 | ... |
| Rations for Prisoners—S., \$3,096.71; P., \$4,392.74; M., \$2,754.79 ... | 6,060 00 | 10,244 24 | 4,184 24 | ... |
| Rent Allowances, Malay and Indian Contingents—S., \$1,465.65; M., \$253.09 ... | 1,650 00 | 1,713 74 | 68 74 | ... |
| Repatriation of Vagrants—S., \$34,850.13; P., \$568.80 ... | 11,900 00 | 35,418 93 | 23,518 93 | ... |
| Sign-boards for Eating-shops, etc. (P.) ... | 750 00 | 47 43 | ... | 702 57 |
| Special Allowances, Native Contingents—(L.) ... | 672 00 | 428 00 | ... | 244 00 |
| Transport of Inspector-General ... | 2,600 00 | 2,449 49 | ... | 150 51 |
| Transport of Chief Inspector—L. ... | 120 00 | 75 16 | ... | 44 84 |
| Transport and Travelling Allowances—S., \$35,097.32; P., \$23,637.03; M., \$12,570.56 ... | 61,100 00 | 71,304 91 | 10,204 91 | ... |
| <i>Carried forward</i> ... | 338,054 00 | 384,582 10 | 81,070 94 | 34,542 84 |
| <i>Carried forward</i> ... | 1,524,148 00 | 1,936,815 66 | 412,667 66 | ... |
| <i>Carried forward</i> ... | 5,437,587 00 | 3,841,130 39 | 321,007 76 | 1,917,464 37 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | | ACTUAL. | | OVER THE ESTIMATE. | | UNDER THE ESTIMATE. | |
|---|------------|----|-----------|----|-----------------------|----|------------------------|----|
| | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| <i>Brought forward</i> ... | 5,437,587 | 00 | 3,841,130 | 39 | 321,007 | 76 | 1,917,464 | 37 |
| 16.—POLICE— <i>Continued.</i> | | | | | | | | |
| <i>Brought forward</i> ... | 1,524,148 | 00 | 1,936,815 | 66 | 412,667 | 66 | ... | |
| <i>B—OTHER CHARGES—Continued.</i> | | | | | | | | |
| <i>I.—ANNUALLY RECURRENT—Continued.</i> | | | | | | | | |
| <i>Brought forward</i> ... | 338,054 | 00 | 384,582 | 10 | 81,070 | 94 | 34,542 | 84 |
| Transport of Recruits—L. ... | 350 | 00 | 348 | 82 | ... | | 1 | 18 |
| Water supply—S. ... | 6,000 | 00 | 7,421 | 94 | 1,421 | 94 | ... | |
| Up-keep, Police Bicycles—S., \$136.00; P., \$506.52; M., \$327.10 ... | 1,200 | 00 | 969 | 62 | ... | | 230 | 38 |
| Up-keep, Police Vans, Etc.—S. ... | 1,490 | 00 | 1,169 | 30 | ... | | 320 | 70 |
| Up-keep, Motor Lorry—S. ... | 700 | 00 | 566 | 16 | ... | | 133 | 84 |
| Up-keep, Rifle Ranges—S., \$100.00; P. \$5.25; M., \$30.00; L., \$48.40 ... | 225 | 00 | 183 | 65 | ... | | 41 | 35 |
| Up-keep, Telephone Exchange between Sitiawan (Perak) and Lumut—P. ... | 180 | 00 | ... | | ... | | 180 | 00 |
| Washing—P. ... | 1,600 | 00 | 59 | 85 | ... | | 1,540 | 15 |
| Water Rate—L. ... | 164 | 00 | 133 | 25 | ... | | 30 | 75 |
| Weights and Measures Branch, S., \$252.00; P., \$456.35; M., 130.00; L., \$12.00 ... | 1,210 | 00 | 850 | 35 | ... | | 359 | 65 |
| Drill Instructors' Allowances, S., \$200.00; P., 193.61; M., \$62.00 ... | 540 | 00 | 455 | 61 | ... | | 84 | 39 |
| Share of Departmental Expenses, Criminal Registry ... | 6,738 | 00 | 6,738 | 00 | ... | | ... | |
| Allowances to Inspectors in lieu of Order- lies—S., \$8,485.17, P., \$5,945.69; M., \$1,501.84; L., 201.60 ... | 18,648 | 00 | 16,134 | 30 | ... | | 2,513 | 70 |
| CRIMINAL INTELLIGENCE DEPARTMENT. | | | | | | | | |
| Special Branch ... | 9,150 | 00 | 10,705 | 19 | 1,555 | 19 | ... | |
| Transport Allowance ... | 1,440 | 00 | 1,099 | 99 | ... | | 340 | 01 |
| <i>Official Censor of Cinematograph Films.</i> | | | | | | | | |
| Travelling Allowances ... | 720 | 00 | 600 | 00 | ... | | 120 | 00 |
| Carbons, Film Cement and incidental Expenses ... | 400 | 00 | 1 | 90 | ... | | 398 | 10 |
| Electric Current ... | 1,000 | 00 | ... | | ... | | 1,000 | 00 |
| | 389,809 | 00 | 432,020 | 03 | 84,048 | 07 | 41,837 | 04 |
| II.—SPECIAL EXPENDITURE. | | | | | | | | |
| Bicycles (S.) ... | 5,334 | 00 | 4,723 | 03 | ... | | 610 | 97 |
| Typewriters (S.) and (P.) ... | 555 | 00 | 525 | 00 | ... | | 30 | 00 |
| Purchase of Arms and Ammunition (S.) ... | 116,000 | 00 | 231 | 82 | ... | | 115,768 | 18 |
| Setting up Projecting Machine, Electric Fan, Screen, Fixing of Resistance Wiring Chains for Appeal Committee, etc., (S.) ... | 700 | 00 | ... | | ... | | 700 | 00 |
| (One Projecting machine with rewinder (S.) ... | 1,100 | 00 | ... | | ... | | 1,100 | 00 |
| Purchase of a Motor Lorry (S.) ... | 3,500 | 00 | 3,350 | 00 | ... | | 150 | 00 |
| Family Remittance of Indian Police, Difference in Exchange on ... | 15,000 | 00 | 292 | 60 | ... | | 14,707 | 40 |
| Purchase of Maps for Divisional and Sub- Divisional Stations (S.) ... | 450 | 00 | 102 | 00 | ... | | 348 | 00 |
| Purchase of Safes (S.) ... | 1,250 | 00 | 615 | 00 | ... | | 635 | 00 |
| Purchase of Seven Hand Ambulance (S.) ... | 1,750 | 00 | 1,505 | 46 | ... | | 244 | 54 |
| <i>Carried forward</i> .. | 145,639 | 00 | 11,344 | 91 | ... | | 134,294 | 09 |
| <i>Carried forward</i> ... | 1,913,957 | 00 | 2,368,835 | 69 | 496,715 | 73 | 41,837 | 04 |
| <i>Carried forward</i> ... | 5,437,587 | 00 | 3,841,130 | 39 | 321,007 | 76 | 1,917,464 | 37 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|--------------|--------------|--------------------|---------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 5,437,587 00 | 3,841,130 39 | 321,007 76 | 1,917,464 37 |
| 16.—POLICE— <i>Concl'd.</i> | | | | |
| <i>Brought forward</i> ... | 1,913,957 00 | 2,368,835 69 | 496,715 73 | 41,837 04 |
| B—OTHER CHARGES— <i>Continued.</i> | | | | |
| II.—SPECIAL EXPENDITURE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 145,639 00 | 11,344 91 | ... | 134,294 09 |
| Purchase of a Ford Bus, S. ... | 4,000 00 | 3,900 00 | ... | 100 00 |
| Translation of Police General Orders into Malay, S. ... | 250 00 | 250 00 | ... | ... |
| Purchase and Repairs of Bicycles, P. ... | 1,700 00 | 677 59 | ... | 1,022 41 |
| Purchase of Motor Launches—S., \$9,586.85; P., \$4,500.00 ... | 12,000 00 | 14,086 85 | 2,086 85 | ... |
| Purchase of a Typewriter, S. ... | ... | a 185 00 | 185 00 | ... |
| Bonus to Capt. Barry for excellent work done by him in connection with the Suppression of the Gambling nuisance in Penang ... | ... | a 2,000 00 | 2,000 00 | ... |
| Repatriation of decrepit Chinese, P. ... | ... | a 5,988 84 | 5,988 84 | ... |
| Ten per cent Overseas Allowances to Northern Indians, P. ... | ... | a 27 31 | 27 31 | ... |
| | 163,589 00 | 38,460 50 | 10,288 00 | 135,416 50 |
| Total, Police ... | 2,077,546 00 | 2,407,296 19 | 507,003 73 | 177,253 54 |
| 17.—PRISONS:— | | | | |
| A—Personal Emoluments ... | 195,063 00 | 191,461 96 | ... | 3,601 04 |
| | 195,063 00 | 191,461 96 | ... | 3,601 04 |
| B—OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Clothing for Prisoners—S., \$7,076.42; P., \$2,379.22; M., \$838.32; L., \$149.00 ... | 9,850 00 | 10,442 96 | 592 96 | ... |
| Clothing, Etc., for Warders—S., \$3,864.87; P., \$2,221.37; M., \$270.12 ... | 9,300 00 | 6,356 36 | ... | 2,943 64 |
| Clothing for necessitous Prisoners on discharge, S. ... | 1,200 00 | 1,688 05 | 488 05 | ... |
| Gratuities to Prisoners on discharge—S., \$1,115.66; P., \$61.10 ... | 1,520 00 | 1,176 76 | ... | 343 24 |
| Lighting—S., \$4,224.50; P., \$875.10; M., \$96.90; L., \$143.85 ... | 4,575 00 | 5,340 35 | 765 35 | ... |
| Materials for Manufactures—S., \$8,406.07; P., \$249.55 ... | 7,750 00 | 8,655 62 | 905 62 | ... |
| Miscellaneous—S., \$12,675.91; P., \$1,982.27; M., \$903.80; L., \$85.28 ... | 9,600 00 | 15,647 26 | 6,047 26 | ... |
| Passages of Prisoners—S., \$186.25; P., \$1,649.57; M., \$2,344.83; L., \$52.50 ... | 2,925 00 | 4,233 15 | 1,308 15 | ... |
| Passages of Warders and Families—S. S. ... | 10,300 00 | 45,718 75 | 35,418 75 | ... |
| Passages of Sub-Warders, S. ... | 1,350 00 | 379 13 | ... | 970 87 |
| Photographic Materials—S., \$1,111.59; P., \$460.00 ... | 1,300 00 | 1,571 59 | 271 59 | ... |
| Rations—S., \$110,303.03; P., \$22,614.22; M., \$16,268.12; L., \$1,054.21 ... | 107,000 00 | 150,239 58 | 43,239 58 | ... |
| Repatriation of Vagrants, P. ... | 5,000 00 | 9,550 38 | 4,550 38 | ... |
| Transport and Travelling Allowances—S. ... | 750 00 | 847 12 | 97 12 | ... |
| Water—S., \$8,640.91; P., \$243.76 ... | 3,650 00 | 8,884 67 | 5,234 67 | ... |
| Good Conduct Allowances—S., \$378.96; P., \$131.00; M., \$36.00 ... | 705 00 | 545 96 | ... | 159 04 |
| | 176,775 00 | 271,277 69 | 98,919 48 | 4,416 79 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Furnishing of Quarters of European Warders ... | 17,000 00 | 2,277 46 | ... | 14,722 54 |
| | 17,000 00 | 2,277 46 | ... | 14,722 54 |
| Total, Prisons ... | 388,838 00 | 465,017 11 | 98,919 48 | 22,740 37 |
| <i>Carried forward</i> ... | 7,903,971 00 | 6,713,443 69 | 926,930 97 | 2,117,458 28 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|--------------|--------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 7,903,971 00 | 6,713,443 69 | 926,930 97 | 2,117,458 28 |
| 18.—MEDICAL:— | | | | |
| <i>A</i> —Personal Emoluments | 548,920 00 | a 503,113 21 | ... | 45,806 79 |
| | 548,920 00 | 503,113 21 | ... | 45,806 79 |
| <i>B</i> —OTHER CHARGES. | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | |
| Medical School (Fees to Examiners, \$2,469.37 Grants to Student Hospital Assistants, \$25.00; Honoraria to Lecturers, \$6,540.00; Miscellaneous, \$2,419.85; Servants and Clerks, \$636.67; Licentiate Students' Scholarships, \$2,010.00; Student Assis- tant Surgeons' Subsistence Allowance, \$2,158.30; ... | 22,442 00 | 16,259 19 | ... | 6,182 81 |
| Up-keep of Pathological Department, S. ... | 4,000 00 | 7,122 73 | 3,122 73 | ... |
| Transport, Pathological Department, P., \$176.63; M., \$254.00 | 1,000 00 | 430 63 | ... | 569 37 |
| Stores and Up-keep Pathological Depart- ment, P. ... | 5,000 00 | 388 10 | ... | 4,611 90 |
| Transport Allowances, Health Depart- ment, S. \$2,730.13; M., \$3,738.62 | 5,020 00 | 6,468 75 | 1,448 75 | ... |
| Grant to Malacca Medical Mission, M. ... | 1,500 00 | 1,500 00 | ... | ... |
| Fees to Examiners in Midwifery, S. ... | 350 00 | 225 00 | ... | 125 00 |
| Uniform for Sanitary Inspectors, S., \$39.36 M., \$142.68 | 780 00 | 482 04 | ... | 297 96 |
| <i>ANALYST'S DEPARTMENT:—</i> | | | | |
| Stores—S. \$645.18; P., \$378.53 | 900 00 | 1,023 71 | 123 71 | ... |
| Miscellaneous—S., \$521.57; P., \$153.86 | 722 00 | 675 43 | ... | 46 57 |
| Transport, and Travelling Allowances—S., \$423.94; P., \$279.72 | 710 00 | 703 66 | ... | 6 34 |
| | 42,424 00 | 35,279 24 | 4,695 19 | 11,839 95 |
| <i>II</i> .—SPECIAL EXPENDITURE. | | | | |
| Tongkangs, two, for Quarantine Works,—S. | 24,210 00 | ... | ... | 24,210 00 |
| Clayton's Sulphurous gassing Machines, Purchase of two—S. ... | 550 00 | 319 68 | ... | 230 32 |
| Purchase and erection of Anemometer at Mount Faber—S. ... | 2,700 00 | ... | ... | 2,700 00 |
| Oiling drains and ditches on Government Property—P. ... | 1,000 00 | 501 95 | ... | 498 05 |
| Purchase of two Typewriters—P. ... | 325 00 | 290 00 | ... | 35 00 |
| Purchase of new safe for General Hospital —P. ... | 185 00 | 185 00 | ... | ... |
| Purchase of one Singer Sewing Machine—M. | 140 00 | 127 00 | ... | 13 00 |
| Fittings, Equipment and Stores, Patholo- gical Department—P. ... | 12,500 00 | 4,552 83 | ... | 7,947 17 |
| Renewing Bed Boards, Hospital Furniture, etc,—M. ... | 5,000 00 | 4,999 85 | ... | 0 15 |
| Purchase of three Mackenzie's Sprayers—M. | 450 00 | 55 71 | ... | 394 29 |
| Expenses in connection with the anti- venereal clinics | ... | b 4,326 79 | 4,326 79 | ... |
| Equipment and apparatus for Medical- School—S. ... | ... | b 4,404 70 | 4,404 70 | ... |
| Equipment of the Medical School, Singa- pore, Cost of ... | ... | b 2,250 34 | 2,250 34 | ... |
| Fees to Lecturers and Examiners—S. | ... | b 1,410 00 | 1,410 00 | ... |
| Establishment of an anti-venereal clinic in the Singapore Harbour Board premises. | ... | b 1,600 00 | 1,600 00 | ... |
| Construction of the Diptheria ward at the Moulmein Road Hospital, Singapore, Half Cost of ... | ... | b 6,679 41 | 6,679 41 | ... |
| Purchase of a Typewriter for the Director of Medical and Sanitary Services | ... | b 150 00 | 150 00 | ... |
| Purchase of a Typewriter—S. ... | ... | b 330 00 | 330 00 | ... |
| | 47,060 00 | 32,183 26 | 21,151 24 | 36,027 98 |
| Total, Medical | 683,404 00 | 570,575 71 | 25,816 43 | 93,674 72 |
| <i>Carried forward</i> ... | 8,542,375 00 | 7,284,019 40 | 952,777 40 | 2,211,133 00 |

(a) Labuan \$9,445.70.

(b) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 8,542,375 00 | 7,284,019 40 | 952,777 40 | 2,211,133 00 |
| 19.—HOSPITALS AND DISPENSARIES:— | | | | |
| <i>A.—Personal Emoluments</i> ... | 467,161 00 | <i>a</i> 437,866 74 | ... | 29,294 26 |
| | 467,161 00 | 437,866 74 | ... | 29,294 26 |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Government contribution to Hospitals Board ... | 811,095 00 | 777,518 04 | ... | 33,576 96 |
| Government contribution to Tan Tock Seng's Hospital ... | 150,000 00 | 177,847 48 | 27,847 48 | ... |
| Government contribution to Maternity Hospital, Penang ... | 16,000 00 | 16,000 00 | ... | ... |
| Government contribution to Infectious Diseases Hospital, Moulmein Road, S. ... | 2,570 00 | 2,570 00 | ... | ... |
| | 979,665 00 | 973,935 52 | 27,847 48 | 33,576 96 |
| Total, Hospitals and Dispensaries ... | 1,446,826 00 | 1,411,802 26 | 27,847 48 | 62,871 22 |
| 20.—VETERINARY:— | | | | |
| <i>A—Personal Emoluments</i> ... | 42,351 00 | 42,664 40 | 313 40 | ... |
| | 42,351 00 | 42,664 40 | 313 40 | ... |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Miscellaneous—S., \$561.19; P., \$594.46; M., \$50.08 ... | 998 00 | 1,205 73 | 207 73 | ... |
| Overtime, Sunday and Holiday Allowances—P. ... | 300 00 | 279 22 | ... | 20 78 |
| Transport Travelling and Personal Allowances—S., \$1,824.00; P., \$3,455 65; M., \$1,445.11 ... | 6,774 00 | 6,724 76 | ... | 49 24 |
| Water Supply, S. ... | 100 00 | 85 03 | ... | 14 97 |
| Clothing for Additional Constables—S. ... | 119 00 | 118 80 | ... | 0 20 |
| | 8,291 00 | 8,413 54 | 207 73 | 85 19 |
| <i>II.—Special Expenditure.</i> | | | | |
| Rinderpest Serum, Purchase of—S. ... | | <i>b</i> 900 00 | 900 00 | ... |
| Expenses of two Veterinary Inspectors while in Kedah—Penang ... | | <i>b</i> 169 68 | 169 68 | ... |
| | | 1,069 68 | 1,069 68 | |
| Total, Veterinary ... | 50,642 00 | 52,147 62 | 1,590 81 | 85 19 |
| <i>Carried forward</i> ... | 10,039,843 00 | 8,747,969 28 | 982,215 69 | 2,274,089 41 |

(a) Labuan \$3,648.70.

(b) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|-----------------------|---------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 10,039,843 00 | 8,747,969 28 | 982,215 69 | 2,274,089 41 |
| 21.—EDUCATION:— | | | | |
| <i>A</i> —Personal Emoluments ... | 821,873 00 | <i>a</i> 810,451 91 | ... | 11,421 09 |
| <i>B</i> —OTHER CHARGES. | 821,873 00 | 810,451 91 | ... | 11,421 09 |
| I.—ANNUALLY RECURRENT. | | | | |
| Salaries of Munshis for Officers learning languages ... | 3,000 00 | 1,337 56 | ... | 1,662 44 |
| Books, etc. ... | 100 00 | 96 55 | ... | 3 45 |
| | 3,100 00 | 1,434 11 | . | 1,665 89 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Government Contribution to Education Board ... | 302,547.00 | 89,307 79 | ... | 213,239 21 |
| Raffles College, Expenses on account of ... | ... | <i>b</i> 9,927 22 | 9,927 22 | ... |
| | 302,547 00 | 99,235 01 | 9,927 22 | 213,239 21 |
| Total, Education ... | 1,127,520 00 | 911,121 03 | 9,927 22 | 226,326 19 |
| 22.—ECCLESIASTICAL:— | | | | |
| <i>A</i> —Personal Emoluments ... | 8,400 00 | 8,457 75 | 57 75 | ... |
| | 8,400 00 | 8,457 75 | 57 75 | ... |
| <i>B</i> —OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Clerical Assistance—S., \$542.85; P., \$264.00; M., \$240.00 ... | 1,197 00 | 1,046 85 | ... | 150 15 |
| Contingent Expenses—S., \$200.00; P., \$150.00; M., \$354.91 ... | 645 00 | 704 91 | 59 91 | ... |
| Singapore Bishopric Fund (£400) ... | 3,429 00 | 3,428 57 | ... | 0 43 |
| Grant for Divine Service—P.W., (£100) ... | 858 00 | 857 16 | ... | 0 84 |
| Grant to Christ Church, Malacca ... | 3,112 00 | 3,660 00 | 548 00 | ... |
| Grant to St. George's Church, Penang ... | 7,200 00 | 7,200 00 | ... | ... |
| Transport Travelling and Personal Allowances ... | 1,320 00 | 1,320 00 | ... | ... |
| | 17,761 00 | 18,217 49 | 607 91 | 151 42 |
| Total, Ecclesiastical ... | 26,161 00 | 26,675 24 | 665 66 | 151 42 |
| 23.—TRANSPORT:— | | | | |
| Passages of Officers to and from the Colony. | 75,000 00 | 295,791 57 | 220,701 57 | ... |
| Miscellaneous, Travelling and Personal Allowances—S., \$5,852.72; L., \$3,022.92; P., \$696.03; M., \$312.33 ... | 9,700 00 | 9,884 00 | 184 00 | ... |
| Total, Transport ... | 84,700 00 | 305,585 57 | 220,885 57 | ... |
| 24.—MILITARY EXPENDITURE:— | | | | |
| Defence Contribution ... | <i>c</i> 6,943,409 00 | 5,623,409 00 | ... | 1,320,000 00 |
| | 6,943,409 00 | 5,623,409 00 | ... | 1,320,000 0 |
| <i>Carried forward</i> .. | 6,943,409 00 | 5,623,409 00 | ... | 1,320,000 00 |
| <i>Carried forward</i> ... | 11,278,224 00 | 9,991,351 12 | 1,213,694 14 | 2,500,567 02 |

(a) Labuan \$4,496.00.

(b) Unestimated.

(c) Provided by Law.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 11,278,224 00 | 9,991,351 12 | 1,213,694 14 | 2,500,567 02 |
| 24.—MILITARY EXPENDITURE—<i>Ctd.</i> | | | | |
| <i>Brought forward</i> ... | 6,943,409 00 | 5,623,409 00 | ... | 1,320,000 00 |
| VOLUNTEER CORPS:— | | | | |
| <i>A</i> —Personal Emoluments ... | 72,478 00 | 49,633 19 | ... | 22,844 81 |
| | 72,478 00 | 49,633 19 | ... | 22,844 81 |
| <i>B</i> —OTHER CHARGES. | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | |
| Ammunition—S. ... | 24,358 00 | 45,234 34 | 20,876 34 | ... |
| Band, Up-keep of—S. ... | 1,000 00 | 52 00 | ... | 948 00 |
| Camp Expenses ... | 12,200 00 | ... | ... | 12,200 00 |
| Clothing and Equipment—S., \$10,238.66; P., \$10,020.34; M., \$606.95 ... | 84,995 00 | 20,866 25 | ... | 14,128 75 |
| Corps Contingent Fund—S., \$1,782.48; P., \$831.80; M., \$272.07 ... | 3,944 00 | 2,886 25 | ... | 1,057 75 |
| Courses for Officers on leave ... | 650 00 | ... | ... | 650 00 |
| Engineers' Stores—S. ... | 500 00 | ... | ... | 500 00 |
| Headquarters, Malay Volunteers, Penang— Rent and Maintenance of ... | 636 00 | 583 00 | ... | 53 00 |
| House Allowance to Sergeant Instructor— M. ... | 1,920 00 | 480 00 | ... | 1,440 00 |
| Maintenance of Arms—S., \$537.54; P., \$243.70; M., \$41.86 ... | 2,250 00 | 823 10 | ... | 1,426 90 |
| Miscellaneous—P. ... | 1,073 00 | 1,923 28 | 850 28 | ... |
| Office, S. O. L. F.—\$28.62; S., \$552.65; P., \$954.90; M., \$570.18; P.W., \$12.52 | 4,098 00 | 2,118 87 | ... | 1,979 13 |
| Pension Contribution for Sergeant Instruc- tors ... | 1,236 00 | 657 44 | ... | 578 56 |
| Officers' Outfit Allowance—S. ... | 2,000 00 | 250 00 | ... | 1,750 00 |
| Transport, S. O. L. F., \$363.93; S., \$1,740.14; P., \$915.35; M., \$1,752.68; P.W., \$775.18 ... | 20,210 00 | 5,547 28 | ... | 14,662 72 |
| Up-keep of Ranges—S., \$601.41; P., \$2,013 51; M., \$266.85 ... | 2,200 00 | 2,881 75 | 681 75 | ... |
| Unit Training Grant—S., \$1,073.35; P., \$127.06 ... | 3,600 00 | 1,200 41 | ... | 2,399 59 |
| | 116,870 00 | 85,503 97 | 22,408 37 | 53,774 40 |
| <i>II</i> .—SPECIAL EXPENDITURE. | | | | |
| <i>Volunteer Corps.</i> | | | | |
| Eurasian S. Volunteer Drill Hall and Club | 55,000 00 | ... | ... | 55,000 00 |
| Installation of Fans and Electric Light at the Drill Hall, Beach Road ... | 2,380 00 | ... | ... | 2,380 00 |
| Armoured Car shed—S. ... | 3,500 00 | 2,958 91 | ... | 541 09 |
| Cost of construction, etc., of Range if not completed in 1920—P.W. ... | 7,115 00 | ... | ... | 7,115 00 |
| Purchase of a typewriter—S. ... | ... | a 80 00 | 80 00 | ... |
| Construction of a miniature Rifle Range, Ammunition Store and Alteration to Armoury at Anson Road, Drill Hall—P. ... | ... | a 800 00 | 800 00 | ... |
| Erection of Almirahs with sliding doors for the storage of clothing, etc., at the Drill Hall—S. ... | ... | a 800 00 | 800 00 | ... |
| Colony's Share of Captain G. G. WACE War gratuity in respect of his service with the Singapore Volunteer Corps ... | ... | a 1,262 75 | 1,262 75 | ... |
| | 67,995 00 | 5,901 66 | 2,942 75 | 65,036 09 |
| Total, Military Expenditure ... | 7,200,752 00 | 5,764,447 82 | 25,351 12 | 1,461,655 30 |
| <i>Carried forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |
| 25.—MISCELLANEOUS SERVICES:— | | | | |
| A—PERSONAL EMOLUMENTS. | | | | |
| Exchange Compensation on Salaries—S. | 2,750 00 | ... | ... | 2,750 00 |
| Local Allowance, Ten per cent ... | 1,250 00 | 116 13 | ... | 1,133 87 |
| Salaries of Acting Officers ... | 100,000 00 | 358,666 70 | 258,666 70 | ... |
| Immediate Allowance ... | 500,000 00 | 895,222 11 | 395,222 11 | ... |
| Temporary Allowance ... | 800,000 00 | 1,162,820 16 | 362,820 16 | ... |
| Allowance on Pensions ... | 70,000 00 | 174,142 13 | 104,142 13 | ... |
| Allowance on W. & O. Pensions ... | 9,000 00 | 22,525 97 | 13,525 97 | ... |
| Arrears of 1919 salary consequent on the introduction of the new salary schemes, adjustment of ... | ... | a 237,962 87 | 237,962 87 | ... |
| Salary and Allowance of the Director of Food Production, S.S. and F.M.S. ... | ... | a 11,115 06 | 11,115 06 | ... |
| House Allowances—S., P. and M. ... | ... | a 20,230 10 | 20,230 10 | ... |
| | 1,483,000 00 | 2,882,801 23 | 1,403,685 10 | 3,883 87 |
| B—OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| <i>Colonial Secretary, Resident Councillors and Resident.</i> | | | | |
| Bonuses to Officers obtaining a First Class in Examinations for the Bar ... | 1,300 00 | ... | ... | 1,300 00 |
| Expenses and Instruction of Cadets and Police Probationers ... | 10,000 00 | 9,472 72 | ... | 527 28 |
| Clothing for Peons, Messengers, Etc., in various Departments—S., \$8,167.63; P., \$2,394.09; M., \$435.65 ... | 7,600 00 | 10,997 37 | 3,397 37 | ... |
| Destruction of Wild Beasts—M. ... | 300 00 | 78 60 | ... | 221 40 |
| Miscellaneous—S., P. and M. ... | 20,824 00 | 34,495 44 | 13,671 44 | ... |
| Preservation of Historical Buildings—M. ... | 100 00 | ... | ... | 100 00 |
| Returns under the Christian Marriage Ordinance—S. ... | 200 00 | 121 50 | ... | 78 50 |
| Stationery—S., \$26,142.55; P., \$7,398.93; M., \$3,902.04; L., \$352.46 ... | 43,450 00 | 37,795 98 | ... | 5,654 02 |
| Suppression of Cattle Disease—M. ... | 500 00 | 367 04 | ... | 132 96 |
| Teachers' Allowances, Etc. ... | 1,500 00 | 1,054 49 | ... | 445 51 |
| Subscription to "Utusan Malayu" ... | 1,613 00 | 315 26 | ... | 1,297 74 |
| Subscription to "Lembaga Malayu" ... | 3,165 00 | 2,470 12 | ... | 694 88 |
| Wharfage Dues, British India Steamers, Swettenham Pier—P. ... | 20,000 00 | 26,055 38 | 6,055 38 | ... |
| Grant in aid of the Singapore and South Malaya Boy Scout's Association ... | 5,000 00 | 5,000 00 | ... | ... |
| Bonuses to Subordinate Officers for Stenography, etc. ... | 500 00 | ... | ... | 500 00 |
| Periodicals and Law Books—S., \$4,290.36; P., \$455.45; M., \$497.71 ... | 1,960 00 | 5,243 52 | 3,283 52 | ... |
| Experimental Gardens, P. ... | 1,500 00 | ... | ... | 1,500 00 |
| Expenses of Food Production Department | 30,880 00 | 9,490 34 | ... | 21,389 66 |
| <i>Treasury.</i> | | | | |
| Cavass, Jeddah (£36) ... | 310 00 | ... | ... | 310 00 |
| Cavass, Malay Camaran (£12.10.0) ... | 108 00 | ... | ... | 108 00 |
| <i>Carried forward</i> ... | 150,810 00 | 142,957 76 | 26,407 71 | 34,259 95 |
| <i>Carried forward</i> ... | 1,483,000 00 | 2,882,801 23 | 1,403,685 10 | 3,883 87 |
| <i>Carried forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |
| 25.—MISCELLANEOUS SERVICES— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 1,483,000 00 | 2,882,801 23 | 1,403,685 10 | 3,883 87 |
| <i>B—OTHER CHARGES—Continued.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT—Contd.</i> | | | | |
| <i>Brought forward</i> ... | 150,810 00 | 142,957 76 | 26,407 71 | 34,259 95 |
| <i>Treasury—Continued.</i> | | | | |
| Children's Concert Fund ... | 500 00 | 700 00 | 200 00 | ... |
| Christmas Island Phosphate Company's Accounts (Audit) (£30) ... | 258 00 | 180 00 | ... | 78 00 |
| Contribution to Rural Boards—S., \$123,021.11; P., \$106,298.98; P.W., \$433,056.56; D., \$72,790.16; M., \$623,030.47; L., \$4,708 ... | 1,266,648 00 | 1,362,905 28 | 96,257 28 | ... |
| Crown Agents, Allowance (£140) ... | 1,200 00 | 1,200 00 | ... | ... |
| Crown Agents, Contingencies ... | 900 00 | 2,143 43 | 1,243 43 | ... |
| Imperial Institute (£2,500) ... | 21,429 00 | 1,285 72 | ... | 20,143 28 |
| Insurance Fund ... | 5,000 00 | 5,000 00 | ... | ... |
| Libraries—P., \$5,000; M., \$1,000.00 ... | 6,000 00 | 6,000 00 | ... | ... |
| Difference on Exchange for Salaries payable by the Crown Agents and in India and Ceylon ... | 5,000 00 | 334 65 | ... | 4,665 35 |
| School of Tropical Medicine, Grant to Common Fund (£100) ... | 858 00 | 857 14 | ... | 0 86 |
| School of Tropical Medicine, Grant to (£100) ... | 858 00 | 857 14 | ... | 0 86 |
| Contribution to Prince of Wales' War Relief Fund (Local) ... | 3,000 00 | ... | ... | 3,000 00 |
| <i>Colonial Engineer.</i> | | | | |
| Municipal Assessment—S., \$25,016.88; P., \$12,021.17; M., \$1,851.16 ... | 22,207 00 | 38,889 21 | 16,682 21 | ... |
| Tamil Immigration Fund Ordinance— S. S. ... | 12,000 00 | 29,799 00 | 17,799 00 | ... |
| Water Supply to Public Buildings—P. Conservancy of Latrines, Government Buildings—P., \$10,689.79; M., \$881.74 | 6,000 00 | 5,688 33 | ... | 311 67 |
| Maintenance of furniture for Government Offices—S., \$1,497.64; P., \$713.46; P. W., \$181.53; M., \$344.25; L., \$90 | 8,200 00 | 11,571 53 | 3,371 53 | ... |
| | 3,990 00 | 2,826 88 | ... | 1,163 12 |
| | 1,514,858 00 | 1,613,196 07 | 161,961 16 | 63,623 09 |
| <i>II.—SPECIAL EXPENDITURE.</i> | | | | |
| Advances against purchase of Land— S., \$12,710; P., \$26,763.51 ... | 150,000 00 | 39,473 51 | ... | 110,526 49 |
| Expenses of Rent Assessment Board ... | 650 00 | 2,749 16 | 2,099 16 | ... |
| Expenses of Census 1921 ... | 90,000 00 | 81,131 17 | ... | 8,868 83 |
| Expenses of War Loan ... | 500 00 | 5 50 | ... | 494 50 |
| <i>Carried forward</i> ... | 241,150 00 | 123,359 34 | 2,099 16 | 119,889 82 |
| <i>Carried forward</i> ... | 2,997,858 00 | 4,495,997 30 | 1,565,646 26 | 67,506 96 |
| <i>Carried forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|--------------------|---------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |
| 25.—MISCELLANEOUS SERVICES— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 2,997,858 00 | 4,495,997 30 | 1,565 646 26 | 67,506 96 |
| B—OTHER CHARGES— <i>Continued.</i> | | | | |
| II.—SPECIAL EXPENDITURE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 241,150 00 | 123,359 34 | 2,099 16 | 119,889 82 |
| Furniture for Government Quarters—S., \$76,523.48; P., \$25,963.06; M., \$4,443.89 | 84,000 00 | 106,930 43 | 22,930 43 | ... |
| Furniture for Government Offices—S., \$10,953.97; P., \$13,079.40; P, W., \$94.31; M., \$1,941.03; L., \$28.65 ... | 46,150 00 | 26,097 36 | ... | 20,052 64 |
| Anti-mosquito Works—S. ... | 100,000 00 | 100,000 00 | ... | ... |
| Imperial Bureau of Entomology—Contribution to (£200) ... | 1,715 00 | 1,714 28 | ... | 0 72 |
| S. S. Contribution to Imperial War Funds (£100,000) ... | 857,143 00 | 857,142 85 | ... | 0 15 |
| Interest on S. S. War Loan ... | 255,500 00 | 236,246 72 | ... | 19,253 28 |
| Loss on Sale of Rice ... | 2,000,000 00 | 3,674,423 40 | 1,674,423 40 | ... |
| Contribution to the Imperial Bureau of Mycology (£125) ... | 1,072 00 | 2,571 43 | 1,499 43 | ... |
| Johore Straits Causeway—Share of Cost | 343,000 00 | 256,318 49 | ... | 86,681 51 |
| Catalogue for Library—P. ... | 6,000 00 | 6,000 00 | ... | ... |
| Investment and Depreciation Account | 100,000 00 | 431,764 01 | 331,764 01 | ... |
| Supreme Court Library, Singapore—Repairs and betterment of the book cases, etc. ... | ... | a 600 00 | 600 00 | ... |
| Cost of entertainment of H. M. S. <i>Malaya</i> ... | ... | a 25,000 00 | 25,000 00 | ... |
| Purchase of rice for Public Works and Telegraph Departments Coolies—P. ... | ... | b 24 21 | ... | 24 21 |
| Censorship of Chinese Newspapers ... | ... | a 1,481 55 | 1,481 55 | ... |
| Grant-in-Aid to the Municipal Commissioners—S. ... | ... | a 400,000 00 | 400,000 00 | ... |
| Grant-in-Aid to the Municipal Commissioners—M. ... | ... | a 100,000 00 | 100,000 00 | ... |
| Land at Toah Payoh, Singapore, for public purposes—Acquisition of ... | ... | a 500,000 00 | 500,000 00 | ... |
| Resumption of Land at Mandai and Upper Mandai ... | ... | a 30,000 00 | 30,000 00 | ... |
| Purchase of Land at Tanglin Hill ... | ... | a 35,000 00 | 35,000 00 | ... |
| Land near Cluny Station—Purchase of ... | ... | a 80,000 00 | 80,000 00 | ... |
| Departmental Expenses of Director of Supplies ... | ... | a 19,479 89 | 19,479 89 | ... |
| Acquisition of land and draining of land at Ang Mo Kio—S. ... | ... | a 629 30 | 629 30 | ... |
| The Singapore Kallang Basin and Reclamation, Professional Services rendered by Messrs Coode, Matthews, Fitzmaurice and Wilson in connection with ... | ... | a 2,077 00 | 2,077 00 | ... |
| Government House—New Inventory of Furniture at ... | ... | a 200 00 | 200 00 | ... |
| Contribution by the Government of the Colony to the Unemployed Fund ... | ... | a 60,357 51 | 60,357 51 | ... |
| Charitable contribution and cost of reinterment of the remains in 23 graves of the Orchard Road Burial Ground ... | ... | a 10,000 00 | 10,000 00 | ... |
| <i>Carried forward</i> ... | 4,035,730 00 | 7,087,369 35 | 3,297,541 68 | 245,902 33 |
| <i>Carried forward</i> ... | 2,997,858 00 | 4,495,997 30 | 1,565,646 26 | 67,506 96 |
| <i>Carried forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |

(a) Unestimated. (b) Expenditure credit.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |
| 25.—MISCELLANEOUS SERVICES— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 2,997,858 00 | 4,495,997 30 | 1,565,646 26 | 67,506 96 |
| <i>B—OTHER CHARGES—Continued.</i> | | | | |
| II.—SPECIAL EXPENDITURE.— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 4,035,730 00 | 7,087,369 35 | 3,297,541 68 | 245,902 33 |
| Land near Rochore River, Syed Alwi Road, Singapore—Acquisition of ... | ... | a 14,357 08 | 14,357 08 | ... |
| Passage of Mr. L. D. GOSLING to Singapore—Cost of ... | ... | a 771 43 | 771 43 | ... |
| Additional Furniture for Mount Rosie ... | ... | a 2,500 00 | 2,500 00 | ... |
| Scheme of training Government Clerks in Book-keeping ... | ... | a 2,780 14 | 2,780 14 | ... |
| National Council for combating Venereal Diseases Commission and their work in Singapore—Expenses of ... | ... | a 934 07 | 934 07 | ... |
| Land bearing Lot No. 62 Town Sub-division XXII—Purchase of ... | ... | a 26,000 00 | 26,000 00 | ... |
| Aide-de-Camp's Bungalow—Furnishing of ... | ... | a 359 95 | 359 95 | ... |
| Land at Pulau Ubin for a Quarry—Acquisition of ... | ... | a 3,000 00 | 3,000 00 | ... |
| Passages of Mr. and Mrs. W. H. Locke to Australia—Cost of ... | ... | a 428 57 | 428 57 | ... |
| Purchase of Law Reports and other Legal Works of reference ... | ... | a 2,210 53 | 2,210 53 | ... |
| Purchase of site for Vernacular School and Police Station at Bukit Panjang ... | ... | a 9,136 75 | 9,136 75 | ... |
| Contribution to the Malacca War Relief Fund ... | ... | a 2,185 64 | 2,185 64 | ... |
| Co-operative Societies in the Straits Settlements and Federated Malay States—Expenses in connection with the Establishment of ... | ... | a 7,875 39 | 7,875 39 | ... |
| Contribution to Federated Malay States War Relief Fund (£63) ... | ... | a 540 00 | 540 00 | ... |
| The Statute Law Revision Committee—Expenses incurred by ... | ... | a 3,684 38 | 3,684 38 | ... |
| The Civil Guard Singapore—Expenses of Rent on Lot 62 Town Sub-division XXII—Commutation of ... | ... | a 395 48 | 395 48 | ... |
| The Singapore War Memorial—Expenses incurred in connection with the laying out of the Foundation Stone of ... | ... | a 96 00 | 96 00 | ... |
| Prisoners of War—Maintenance and general expenses of ... | ... | a 1,268 19 | 1,268 19 | ... |
| Land and Houses known as Mount Pleasant including repairs, improvements, etc.—Purchase of ... | ... | a 44,619 37 | 44,619 37 | ... |
| Compensation to the inhabitants of Kallang Village ... | ... | a 4,854 95 | 4,854 95 | ... |
| Director of Supplies, Publication of a book on Malayan Fishes—Cost of ... | ... | a 2,237 00 | 2,237 00 | ... |
| Entertainment of the Officers and Men of H. M. S. "Malaya" while in Penang Waters—Cost of ... | ... | a 1,022 63 | 1,022 63 | ... |
| | ... | a 10,000 00 | 10,000 00 | ... |
| <i>Carried forward</i> ... | 4,035,730 00 | 7,228,626 90 | 3,438,799 23 | 245,902 33 |
| <i>Carried forward</i> ... | 2,997,858 00 | 4,495,997 30 | 1,565,646 26 | 67,506 96 |
| <i>Carried forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATE AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | | ACTUAL. | | OVER THE ESTIMATE. | | UNDER THE ESTIMATE. | |
|--|------------|----|------------|------------|--------------------|----|---------------------|----|
| | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| <i>Brought forward</i> ... | 18,478,976 | 00 | 15,755,798 | 94 | 1,239,045 | 26 | 3,962,222 | 32 |
| 25.—MISCELLANEOUS SERVICES—<i>Contd.</i> | | | | | | | | |
| <i>Brought forward</i> .. | 2,997,858 | 00 | 4,495,997 | 30 | 1,565,646 | 2 | 67,506 | 96 |
| <i>B—OTHER CHARGES—Continued.</i> | | | | | | | | |
| II.—SPECIAL EXPENDITURE—<i>Continued.</i> | | | | | | | | |
| <i>Brought forward</i> ... | 4,035,730 | 00 | 7,228,626 | 90 | 3,438,799 | 23 | 245,902 | 33 |
| Cost of oiling the water in the Fort Moat, P. ... | ... | | a | 980 10 | 980 10 | | ... | |
| Purchase of Rice for Public Works and Telegraph Departments Coolies ... | ... | | a | 4,270 08 | 4,270 08 | | ... | |
| Amount required to make good the difference at 30-4-1920 between the market value of the Securities forming the investment portion of the Note Guarantee Fund and the amount of Coin taken from that Fund for investment ... | ... | | a | 168,393 32 | 168,393 32 | | ... | |
| Acquisition of No. 8, Banda Hilir Hotel Site, Malacca, Expenses in connection with the ... | ... | | a | 2,893 25 | 2,893 25 | | ... | |
| Sword of Honour presented to Mr. Kothavala of the Military Department, cost of the ... | ... | | a | 530 25 | 530 25 | | ... | |
| Trade Commission, Expenses in connection with the ... | ... | | a | 4,282 50 | 4,282 50 | | ... | |
| One hundred years of Singapore, cost of 100 copies ... | ... | | a | 1,000 00 | 1,000 00 | | ... | |
| Meat Supply, Expenses in connection with Anti-Malarial Work, M. ... | ... | | a | 16,454 85 | 16,454 85 | | ... | |
| The Tramways commission, Expenses of, S. ... | ... | | a | 684 01 | 684 01 | | ... | |
| Bonus to subordinate Officers for book-keeping ... | ... | | a | 2,187 42 | 2,187 42 | | ... | |
| Payment of interest to the Municipal Commissioners, Penang, in connection with the removal of Pitt Street Police Station ... | ... | | a | 200 00 | 200 00 | | ... | |
| Land at Kuraman Island, compensation to Mrs. K E Thackwell for ... | ... | | a | 773 01 | 773 01 | | ... | |
| National War Memorial, Singapore, Erection of ... | ... | | a | 200 00 | 200 00 | | ... | |
| Furniture for the quarters of the Chief Justice ... | ... | | a | 45,903 00 | 45,903 00 | | ... | |
| Furniture for the new quarters to be occupied by Mr. Haughton, Officer in charge P. W. D., Labuan, purchase of ... | ... | | a | 577 50 | 577 50 | | ... | |
| Temporary Housing Accommodation for the poor ... | ... | | a | 2,908 64 | 2,908 64 | | ... | |
| Municipal Finance Commission, expenses incurred in connection with the ... | ... | | a | 93,000 00 | 93,000 00 | | ... | |
| | ... | | a | 1,156 26 | 1,156 26 | | ... | |
| <i>Carried forward</i> ... | 4,035,730 | 00 | 7,575,021 | 09 | 3,785,193 | 42 | 245,902 | 33 |
| <i>Carried forward</i> ... | 2,997,858 | 00 | 4,495,997 | 30 | 1,565,646 | 26 | 67,506 | 96 |
| <i>Carried forward</i> ... | 18,478,976 | 00 | 15,755,798 | 94 | 1,239,045 | 26 | 3,962,222 | 32 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATED. |
|---|---------------|----------------|-----------------------|-------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 18,478,976 00 | 15,755,798 94 | 1,239,045 26 | 3,962,222 32 |
| 25.—MISCELLANEOUS SERVICES—Contd. | | | | |
| <i>Brought forward</i> ... | 2,997,858 00 | 4,495,997 30 | 1,565,646 26 | 67,506 96 |
| B—OTHER CHARGES—Continued. | | | | |
| II.—SPECIAL EXPENDITURE—Continued. | | | | |
| <i>Brought forward</i> ... | 4,035,730 00 | 7,575,021 09 | 3,785,193 42 | 245,902 33 |
| Adjustment of advances made to certain commissioned officers in the new army | .. | a 360 00 | 360 00 | ... |
| The taking of Rubber Census in Malacca, assistance in connection with | ... | a 6 55 | 6 55 | ... |
| | 4,035,730 00 | 7,575,387 64 | 3,785,559 97 | 245,902 33 |
| Total, Miscellaneous Services | 7,033,588 00 | 12,071,384 94 | 5,351,206 23 | 313,409 29 |
| 26.—POST OFFICE:— | | | | |
| A—Personal Emoluments ... | 900,605 00 | b 1,054,743 18 | 154,138 18 | ... |
| | 900,605 00 | 1,054,743 18 | 154,138 18 | ... |
| B—OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Bounties for Conveyance of Mails—S., \$47,518.30; P., \$6,984.97 | 47,300 00 | 54,503 27 | 7,203 27 | ... |
| Compensation | 200 00 | 405 38 | 205 38 | ... |
| Clothing for Postmen—S., \$5,970.09; P., \$5,962.67; M., \$410.90 | 14,700 00 | 12,343 66 | ... | 2,356 34 |
| Foreign Postage | 13,000 00 | c 17,261 44 | ... | 30,261 44 |
| Good Service Allowances—S., \$1,015.70; P., \$991.00; M., \$186.00; L., \$12.00 | 2,756 00 | 2,204 70 | ... | 551 30 |
| Imperial Post Office | 40,000 00 | c 25,451 43 | ... | 65,451 43 |
| Lighting and fans—S., \$2,923.48; P., \$2,249.17; M., \$291.26 | 6,150 00 | 5,463 91 | ... | 686 09 |
| Mail Bags | 5,000 00 | 3,607 75 | ... | 1,392 25 |
| Mails, Conveyance of—S., \$15,714.35; P., \$3,847.66; M., \$4,399.29; L., \$295.00 | 19,400 00 | 24,256 30 | 4,856 30 | ... |
| Mails, Conveyance of, by Rail | 10,000 00 | 11,636 29 | 1,636 29 | ... |
| Miscellaneous—S., \$2,528.56; P., \$1,313.96; M., \$135.23; L., \$92.33 | 4,650 00 | 4,070 08 | ... | 579 92 |
| Overtime Allowances—S., \$13,058.02; P., \$9,917.53; M., \$329.40; L., \$95.99 | 24,600 00 | 23,900 94 | ... | 699 06 |
| Printing of Chinese Express—P. | 600 00 | 480 00 | ... | 120 00 |
| <i>Carried forward</i> ... | 188,356 00 | 160,159 41 | 13,901 24 | 102,097 83 |
| <i>Carried forward</i> ... | 900,605 00 | 1,054,743 18 | 154,138 18 | ... |
| <i>Carried forward</i> ... | 25,512,564 00 | 27,827,183 88 | 6,590,251 49 | 4,275,631 61 |

(a) Unestimated. (b) Labuan \$4,221.36. (c) Expenditure credit.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 25,512,564 00 | 27,827,183 88 | 6,590,251 49 | 4,275,631 61 |
| 26.—POST OFFICE—Continued. | | | | |
| <i>Brought forward</i> ... | 900,605 00 | 1,054,743 18 | 154,138 18 | ... |
| B—OTHER CHARGES.—Continued. | | | | |
| I.—ANNUALLY RECURRENT—Continued. | | | | |
| <i>Brought forward</i> ... | 188,356 00 | 100,159 41 | 13,901 24 | 102,097 83 |
| Printed Forms ... | 12,000 00 | 14,571 98 | 2,571 98 | ... |
| Rent—M., \$20.00; P., \$264.00 ... | 1,020 00 | 284 00 | ... | 736 00 |
| Stores—S., \$13,546.30; P., \$3,738.38; M., \$947.24 ... | 12,750 00 | 18,231 92 | 5,481 92 | ... |
| Subsidy, Mail Service <i>via</i> India ... | 140,000 00 | 93,238 30 | ... | 46,761 70 |
| Telegraphs, Maintenance—S., \$5,139.12; P., \$5,346.96; M., \$5,674.03 ... | 18,000 00 | 16,160 11 | ... | 1,839 89 |
| Telephone Exchange Maintenance—P., \$8,861.78; M., \$4,632.29 ... | 14,000 00 | 13,494 07 | ... | 505 93 |
| Transport and Travelling Allowances—S., \$1,660.43; P., \$4,929.93; M., \$4,081.62 ... | 10,520 00 | 10,741 98 | 221 98 | ... |
| Water Supply—S. ... | 400 00 | 1,012 46 | 612 46 | ... |
| Wireless Telegraph Stations, Maintenance of—S., \$5,289.40; P., \$5,694.17 ... | 12,500 00 | 10,983 57 | ... | 1,516 43 |
| Taxes on Vehicles and Hand Carts—S., \$1,900.00; P., \$323.00 ... | 2,573 00 | 2,223 00 | ... | 350 00 |
| | 412,119 00 | 281,130 80 | 22,819 58 | 153,807 78 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Second Telephone Line from Malacca to Jasin ... | 4,500 00 | 4,328 92 | ... | 171 08 |
| Purchase of Furniture, S., \$450.00; P., \$1,759.00; M., \$1,281.00 ... | 3,621 00 | 3,490 00 | ... | 131 00 |
| Additions to Telephone Exchange—M. ... | 33,288 00 | 33,174 25 | ... | 113 75 |
| Purchase of two large and two small Motor Vans—S. ... | 30,000 00 | 28,145 00 | ... | 1,855 00 |
| Murray Multiplex Instruments, S. and P. ... | 19,000 00 | 65 06 | ... | 18,934 94 |
| Extension of underground cable from 1st Cross Street to Koon Cheng Bridge, M. ... | 400 00 | ... | ... | 400 00 |
| Printing Machine—P. ... | 1,900 00 | ... | ... | 1,900 00 |
| Tree felling—M., \$920.30; P., \$10,949.20 ... | 6,000 00 | 11,869 50 | 5,869 50 | ... |
| Telegraph Instruments, Batteries, etc., P. ... | 4,500 00 | 5,186 88 | 686 88 | ... |
| Telephone Sub-exchange at Balik Pulau P. ... | 2,800 00 | 896 15 | ... | 1,903 85 |
| Battery Material of Wireless Station—P. ... | 3,210 00 | ... | ... | 3,210 00 |
| Pillar Boxes and Letter Boxes—P. ... | 2,500 00 | 2,490 57 | ... | 9 43 |
| Bicycles for Telegraph Offices—P. ... | 1,300 00 | 295 07 | ... | 1,004 93 |
| Mail Bags, Dutch Post Office—P. ... | 400 00 | 102 98 | ... | 297 02 |
| New Telephone Switchboard—M. ... | 13,000 00 | 16,942 43 | 3,942 43 | ... |
| Converting existing earth circuits into Metallic Circuits—M. ... | 17,175 00 | 16,680 94 | ... | 494 06 |
| Remodelling of Police Telephones—M. ... | 7,200 00 | 7,414 48 | 214 48 | ... |
| Construction of Malacca—Tampin Trunk Line (21½ Miles) ... | 41,904 00 | 53,116 91 | 11,212 91 | ... |
| <i>Carried forward</i> ... | 192,698 00 | 184,199 14 | 21,926 20 | 30,425 06 |
| <i>Carried forward</i> ... | 1,312,724 00 | 1,335,873 98 | 176,957 76 | 153,807 78 |
| <i>Carried forward</i> ... | 25,512,564 00 | 27,827,183 88 | 6,590,251 49 | 4,275,631 61 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 25,512,564 00 | 27,827,183 88 | 6,590,251 49 | 4,275,631 61 |
| 26—POST OFFICE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 1,312,724 00 | 1,335,873 98 | 176,957 76 | 153,807 78 |
| B—OTHER CHARGES.— <i>Continued.</i> | | | | |
| II.—SPECIAL EXPENDITURE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 192,698 00 | 184,199 14 | 21,926 20 | 30,425 06 |
| Printing Machine—S. ... | 2,200 00 | 6,045 05 | 3,845 05 | ... |
| Duplication of Plant at Paya Lebar Wireless Station—S. ... | 32,000 00 | 31,158 00 | ... | 842 00 |
| Electric clocks ... | 450 00 | 623 94 | 173 94 | ... |
| Bicycles for Post Office (ten) P. ... | 1,500 00 | 1,124 56 | ... | 375 44 |
| Purchase of two Motor Lorries—P. W. ... | 6,000 00 | 5,715 85 | ... | 284 15 |
| New Pole Line, Penang Hill ... | 17,500 00 | 8,278 38 | ... | 9,221 62 |
| Trunk Telephone Lines—S. ... | 500,000 00 | ... | ... | 500,000 00 |
| Improvement of Pole Lines—P. W. ... | 31,500 00 | 9,255 35 | ... | 22,244 65 |
| New Telephone Exchange—P. ... | 397,650 00 | 179,782 75 | ... | 217,867 25 |
| Purchase of New Type for Printing Department—P. ... | 500 00 | 345 47 | ... | 154 53 |
| Safe and Furniture for New Sub-office at Sungei Bakap—P. ... | 400 00 | ... | ... | 400 00 |
| Safe and Furniture for New Sub-office at Pengkalen Bharu—P. ... | 500 00 | ... | ... | 500 00 |
| Safe and Office Furniture for New Sub-office at Magazine—P. ... | 600 00 | ... | ... | 600 00 |
| Safe for Butterworth, Sub-office—P. ... | 300 00 | 251 00 | ... | 49 00 |
| Development of Telephone System in Penang and P. W. ... | 15,000 00 | 28,056 11 | 13,056 11 | ... |
| Underground Telephone Cables—M. ... | 21,000 00 | 835 93 | ... | 20,164 07 |
| Erection of Linemen's Quarters at Belimbing Railway Station, and Tampin—M. ... | 4,000 00 | 2,000 00 | ... | 2,000 00 |
| Purchase of two Motor Mail Lorries—M. ... | 6,000 00 | 6,577 00 | 577 00 | ... |
| Direct Telegraph Communication between Singapore and Malacca—M. ... | 9,500 00 | 4,859 09 | ... | 4,640 91 |
| Duplication of Wireless Plant at Penaga—P. ... | 35,000 00 | 2,000 00 | ... | 33,000 00 |
| Purchase of a Typewriter—M. ... | ... | a 210 00 | 210 00 | ... |
| Twelve Bicycles, Purchase of—M. ... | ... | a 840 00 | 840 00 | ... |
| Purchase of Safe—M. ... | ... | a 138 64 | 138 64 | ... |
| | 1,274,298 00 | 472,296 26 | 40,766 94 | 842,768 68 |
| Total, Post Office ... | 2,587,022 00 | 1,808,170 24 | 217,724 70 | 996,576 46 |
| 27.—GOVERNMENT MONOPOLIES:— | | | | |
| A—Personal Emoluments ... | 324,415 00 | b 356,335 34 | 31,920 34 | ... |
| | 324,415 00 | 356,335 34 | 31,920 34 | ... |
| <i>Carried forward</i> ... | 324,415 00 | 356,335 34 | 31,920 34 | ... |
| <i>Carried forward</i> ... | 28,099,586 00 | 29,635,354 12 | 6,807,976 19 | 5,272,208 07 |

(a) Unestimated. (b) Labuan \$5,540.00.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|-------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 28,099,586 00 | 29,635,354 12 | 6,807,976 19 | 5,272,208 07 |
| 27.—GOVERNMENT MONOPOLIES— <i>Ctd.</i> | | | | |
| <i>Brought forward</i> ... | 324,415 00 | 356,335 34 | 31,920 34 | ... |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Working Expenses—S., \$287,316.86; P., \$34,215.54; M. \$2,728.56; L., \$957.99 | 348,358 00 | 325,218 95 | ... | 23,139 05 |
| Rent Allowances for Supervisors—S. & P., and Office Assistant, P. and Head of Preventive Service, M. ... | 5,040 00 | 2,899 51 | ... | 2,140 49 |
| | 353,398 00 | 328,118 46 | ... | 25,279 54 |
| <i>II.—SPECIAL EXPENDITURE..</i> | | | | |
| Tins for packing chandu for the Monopolies Department, Singapore, Purchase and making of ... | ... | <i>a</i> 2,821 25 | 2,821 25 | ... |
| | ... | 2,821 25 | 2,821 25 | ... |
| Total, Government Monopolies ... | 677,813 00 | 687,275 05 | 34,741 59 | 25,279 54 |
| 28.—AGRICULTURAL DEPARTMENT:— | | | | |
| <i>A—Personal Emoluments</i> ... | 17,134 00 | 13,778 27 | ... | 3,355 73 |
| | 17,134 00 | 13,778 27 | ... | 3,355 73 |
| <i>B—OTHER CHARGES.</i> | | | | |
| <i>I.—ANNUALLY RECURRENT.</i> | | | | |
| Allowance, Motor Cycles two, Bicycles ten | 1,920 00 | 1,974 58 | 54 58 | ... |
| Transport, Travelling and Personal Allowances ... | 6,000 00 | 3,502 61 | ... | 2,497 39 |
| Uniforms ... | 800 00 | 439 20 | ... | 360 80 |
| Pests and Diseases Treatment ... | 1,000 00 | 1,187 55 | 187 55 | ... |
| Contribution to Johore on account of General Charges ... | 1,000 00 | ... | ... | 1,000 00 |
| Share of Head Office Expenses ... | 58,833 00 | 84,824 02 | 25,991 02 | ... |
| | 69,553 00 | 91,927 96 | 26,233 15 | 3,858 19 |
| <i>II.—SPECIAL EXPENDITURE.</i> | | | | |
| Two sets Laboratory Equipment for Assistant Agricultural Inspectors at \$500 per set ... | 1,000 00 | 29 76 | ... | 970 24 |
| Two sets office furniture and filing cases (Moore's Modern Methods) for Assistant Agricultural Inspector's Offices and Miscellaneous furniture for Offices of Sub-Inspectors of Agriculture ... | 900 00 | 439 62 | .. | 460 38 |
| Cost of Electric Current Supplied to the Malacca Volunteer Hall ... | ... | <i>a</i> 49 00 | 49 00 | ... |
| | 1,900 00 | 518 38 | 49 00 | 1,430 62 |
| Total, Agricultural Department ... | 88,587 00 | 106,224 61 | 26,282 15 | 8,644 54 |
| <i>Carried forward</i> ... | 28,865,986 00 | 30,428,853 78 | 6,868,999 93 | 5,306,132 15 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | | ACTUAL. | | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|------------|----|------------|-------|-----------------------|------------------------|
| | \$ | c. | \$ | c. | \$ | \$ |
| <i>Brought forward</i> ... | 28,865,986 | 00 | 30,428,853 | 78 | 6,868,999 | 5,306,132 |
| 29.—BOTANICAL GARDENS:— | | | | | | |
| <i>A</i> —Personal Emoluments ... | 83,004 | 00 | 71,410 | 22 | ... | 11,593 |
| | 83,004 | 00 | 71,410 | 22 | ... | 11,593 |
| <i>B</i> —OTHER CHARGES. | | | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | | | |
| Travelling and Personal Allowances—S. | | | | | | |
| \$2,122.08; P., \$149.70 ... | 3,430 | 00 | 2,271 | 78 | ... | 1,158 |
| Stores and Tools, etc.—S., \$11,220.90; P., | | | | | | |
| \$2,215.80 ... | 14,004 | 00 | 13,436 | 70 | ... | 567 |
| Miscellaneous—S., \$2,129.93; P., \$487.32 | 1,650 | 00 | 2,617 | 25 | 967 | ... |
| Library, Binding and Purchase of books ... | 900 | 00 | 887 | 92 | ... | 12 |
| Laboratory, Purchase of apparatus ... | 1,000 | 00 | 485 | 58 | ... | 514 |
| | 20,984 | 00 | 19,699 | 23 | 967 | 2,252 |
| <i>II</i> .—SPECIAL EXPENDITURE. | | | | | | |
| Cleaning the Lake ... | 700 | 00 | 00 | 00 | ... | ... |
| Library, Arrears of binding and purchase | | | | | | |
| of book cases ... | 7,000 | 00 | 3,153 | 75 | ... | 3,846 |
| Laboratory, Furnishing and Equipment ... | 4,000 | 00 | 1,945 | 86 | ... | 2,054 |
| Garden's Guide Publication of ... | 2,500 | 00 | 8 | 60 | ... | 2,491 |
| | 14,200 | 00 | 5,808 | 21 | ... | 8,391 |
| Total, Botanical Gardens ... | 118,188 | 00 | 96,917 | 66 | 967 | 22,237 |
| 30.—RAFFLES MUSEUM AND LIBRARY:— | | | | | | |
| <i>A</i> —Personal Emoluments ... | 20,409 | 00 | 21,603 | 97 | 1,194 | ... |
| | 20,409 | 00 | 21,603 | 97 | 1,194 | ... |
| <i>B</i> —OTHER CHARGES. | | | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | | | |
| Raffles Museum and Library—Govern- | | | | | | |
| ment Grant ... | 25,000 | 00 | 25,000 | 00 | ... | ... |
| | 25,000 | 00 | 25,000 | 00 | ... | ... |
| Total, Raffles Museum and Library ... | 45,409 | 00 | 46,603 | 97 | 1,194 | ... |
| 31.—INCOME TAX. | | | | | | |
| <i>A</i> —Personal Emoluments ... | 35,330 | 00 | 31,04 | 47 | ... | 4,025 |
| | 35,330 | 00 | 31,304 | 47 | ... | 4,025 |
| <i>B</i> —OTHER CHARGES. | | | | | | |
| <i>I</i> .—ANNUALLY RECURRENT. | | | | | | |
| Advertisements—S., \$200.75; P., \$196.00 | 500 | 00 | 396 | 75 | ... | 103 |
| Miscellaneous—S., \$777.22; P., \$130.29; | | | | | | |
| M., \$63.60 ... | 880 | 00 | 971 | 11 | 91 | ... |
| Transport and Travelling—S., \$29.10; P., | | | | | | |
| \$326.34 ... | 1,300 | 00 | 355 | 44 | ... | 944 |
| | 2,680 | 00 | 1,723 | 30 | 91 | 1,047 |
| <i>II</i> .—SPECIAL EXPENDITURE. | | | | | | |
| Furniture—S. ... | 400 | 00 | 305 | 00 | ... | 95 |
| Furniture and Requisites—P. ... | 240 | 00 | 81 | 90 | ... | 158 |
| Typewriter—P. ... | 220 | 00 | 220 | 00 | ... | ... |
| Kim Seng Land Company, Cost of appeal | | | | | | |
| in the Case of the ... | ... | | a | 5,194 | 5,194 | ... |
| | 860 | 00 | 5,801 | 44 | 5,194 | 253 |
| Total, Income Tax ... | 38,870 | 00 | 38,829 | 21 | 5,285 | 5,326 |
| <i>Carried forward</i> ... | 29,068,453 | 00 | 30,611,204 | 62 | 6,876,447 | 5,333,696 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 29,068,453 00 | 30,611,204 62 | 6,876,447 80 | 5,333,696 18 |
| 32.—PUBLIC WORKS DEPARTMENT:— | | | | |
| <i>A</i> —Personal Emoluments ... | 369,662 00 | <i>a</i> 333,341 34 | ... | 36,320 66 |
| | 369,662 00 | 333,341 34 | ... | 36,320 66 |
| <i>B</i> —OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Water Supply to Public Buildings ... | 665 00 | 1,338 02 | 673 02 | ... |
| Books and Papers—S., \$174.33; P., \$212.37; M., \$100.00 ... | 490 00 | 486 70 | ... | 3 30 |
| Drawing Materials—S., \$998.00; P., \$496.56; M., \$227.48 ... | 1,550 00 | 1,722 04 | 172 04 | ... |
| Instruments—S., \$386.50; P., \$69.50; M., \$239.80 ... | 1,100 00 | 695 80 | ... | 404 20 |
| Miscellaneous—S., \$475.58; P., \$253.51; P. W., \$128.28; M., \$31.22; L., \$117.39 | 1,115 00 | 1,005 98 | ... | 109 02 |
| Rent Allowances—L. ... | 180 00 | ... | ... | 180 00 |
| Tools and Plant—S., \$2,190.51; P., \$2,343.01; P. W., \$1,999.19; M., \$1,206.52 ... | 7,200 00 | 7,739 23 | 539 23 | ... |
| Travelling Allowances—S., \$20,683.49; P., \$10,515.16; P. W., \$5,627.48; M., \$9,267.10; L., \$402.45 ... | 34,160 00 | 46,495 68 | 12,335 68 | ... |
| Photographic Branch ... | 300 00 | 223 65 | ... | 76 35 |
| | 46,760 00 | 59,707 10 | 13,719 97 | 772 87 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Muldivo Calculating Machine—S. ... | 472 00 | ... | ... | 472 00 |
| Purchase of a Typewriter—P. W. ... | 200 00 | 200 00 | ... | ... |
| Purchase of a Typewriter—S. ... | 250 00 | 250 00 | ... | ... |
| Purchase of apparatus papers, etc. for Architect's Office—S. ... | 1,000 00 | 500 03 | ... | 499 97 |
| House Rent of W. A. Lavendar—P. W. ... | ... | <i>b</i> 361 35 | 361 35 | ... |
| | 1,922 00 | 1,311 38 | 361 35 | 971 97 |
| Total, Public Works Department ... | 418,344 00 | 394,359 82 | 14,081 32 | 38,065 50 |
| 33.—SURVEY DEPARTMENT. | | | | |
| <i>A</i> —Personal Emoluments ... | 221,426 00 | 195,572 68 | ... | 25,853 32 |
| | 221,426 00 | 195,572 68 | ... | 25,853 32 |
| <i>B</i> —OTHER CHARGES. | | | | |
| I.—ANNUALLY RECURRENT. | | | | |
| Books and Papers—S., \$71.50; P., \$59.45; M., \$97.45 ... | 300 00 | 268 40 | ... | 31 60 |
| Drawing Materials—S., \$2,530.13; P., \$173.59; M., \$1,118.00 ... | 3,850 00 | 3,821 72 | ... | 28 28 |
| Instruments—S., \$1,551.37; P., \$388.29; M., \$1,025.08 ... | 3,500 00 | 2,964 74 | ... | 535 26 |
| <i>Carried forward</i> ... | 7,650 00 | 7,054 86 | ... | 595 14 |
| <i>Carried forward</i> ... | 221,426 00 | 195,572 68 | ... | 25,853 32 |
| <i>Carried forward</i> ... | 29,486,797 00 | 31,005,564 44 | 6,890,529 12 | 5,371,761 68 |

(a) Labuan \$6,101.50. (b) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|--------------------|---------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 29,486,797 00 | 31,005,564 44 | 6,890,529 12 | 5,371,761 68 |
| 33.—SURVEY DEPARTMENT— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 221,426 00 | 195,572 68 | ... | 25,853 32 |
| <i>B—OTHER CHARGES—Continued.</i> | | | | |
| I.—ANNUALLY RECURRENT— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 7,650 00 | 7,054 86 | ... | 595 14 |
| Miscellaneous—S., \$93.27; P., \$97.40; M., \$99.67 ... | 300 00 | 290 34 | ... | 9 66 |
| Zincographic Branch—S. ... | 1,350 00 | 840 67 | ... | 509 33 |
| Rent Allowances—S., \$30.00; P., \$1,062.92; M., \$599.49 ... | 1,600 00 | 1,692 41 | 92 41 | ... |
| Travelling Allowances—S., \$5,235.59; P., \$6,017.42; M., \$8,071.03 ... | 19,400 00 | 19,324 04 | ... | 75 96 |
| Registration of Deeds Ordinance Expenditure—P. ... | 100 00 | 99 95 | ... | 00 05 |
| Maintenance of Trigonometrical Stations—S., \$489.59; P., \$70.69; M., \$435.59 ... | 1,500 00 | 995 87 | ... | 504 13 |
| Purchase of Marks—S., \$2,171.51; P., \$1,662.20; M., \$1,969.82 ... | 6,500 00 | 5,803 53 | ... | 696 47 |
| Preparation of Murder Scene Plans—S. ... | 1,000 00 | ... | ... | 1,000 00 |
| Share of Departmental Expenses for 1920 ... | ... | a 5,378 47 | 5,378 47 | ... |
| | 39,400 00 | 41,480 14 | 5,470 88 | 3,390 74 |
| II.—SPECIAL EXPENDITURE. | | | | |
| Furniture for Survey Department—S., \$36.70; P., \$194.50; M., \$199.60 ... | 500 00 | 430 80 | ... | 69 20 |
| Survey School—S. ... | 2,800 00 | ... | ... | 2,800 00 |
| Expenses of recruiting Surveyors and Salary of Mr. Darke, Straits Settlements Share of ... | ... | a 509 89 | 509 89 | ... |
| Assessment under Labour Code—P. ... | ... | a 227 00 | 227 00 | ... |
| Contour Survey of the Penang Hill ... | ... | a 2,125 97 | 2,125 97 | ... |
| | 3,300 00 | 3,293 66 | 2,862 86 | 2,869 20 |
| Total, Survey Department ... | 264,126 00 | 240,346 48 | 8,333 74 | 32,113 26 |
| 34.—PUBLIC WORKS, RECURRENT EXPENDITURE. | | | | |
| (A)—ROADS, STREETS, BRIDGES AND CANALS. | | | | |
| SINGAPORE. | | | | |
| Maintenance of Street Lighting, Goodwood Hill ... | 850 00 | 970 75 | 120 75 | ... |
| Maintenance of roads round Government Buildings ... | 10,000 00 | 9,261 17 | ... | 738 83 |
| Maintenance of reserve roads and lands ... | 2,000 00 | 1,995 23 | ... | 4 77 |
| Maintenance of Rochore Canal from Kandang Kerbau Bridge to Victoria Bridge ... | 3,000 00 | 2,162 95 | ... | 837 05 |
| | 15,850 00 | 14,390 10 | 120 75 | 1,580 65 |
| <i>Carried forward</i> ... | 15,850 00 | 14,390 10 | 120 75 | 1,580 65 |
| <i>Carried forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|-------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |
| 34.—PUBLIC WORKS, RECURRENT EXPENDITURE— <i>Continued.</i> | | | | |
| (A)—ROADS, STREETS, BRIDGES AND CANALS— <i>Continued.</i> | | | | |
| SINGAPORE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 15,850 00 | 14,390 10 | 120 75 | 1,580 65 |
| Maintenance of Rochore River from Victoria Bridge to the Sea ... | 3,000 00 | 43 20 | ... | 2,956 80 |
| Surveys of proposed roads and taking borings in connection with Public works generally ... | 600 00 | 599 65 | ... | 00 35 |
| Maintenance of Roads round Botanical Gardens ... | 2,500 00 | 1,485 42 | ... | 1,014 58 |
| | 21,950 00 | 16,518 37 | 120 75 | 5,552 38 |
| PENANG. | | | | |
| Maintenance of Hill roads ... | 7,000 00 | 6,999 03 | ... | 00 97 |
| Maintenance of reserve roads and lands ... | 2,250 00 | 2,235 34 | ... | 14 66 |
| Maintenance of quay frontage ... | 2,000 00 | 669 76 | ... | 1,330 24 |
| Up-keep of roads round Government buildings ... | 5,000 00 | 5,000 00 | ... | ... |
| Survey of proposed roads and taking bor- ings in connection with Public Works generally ... | 1,500 00 | 1,284 79 | ... | 215 21 |
| | 17,750 00 | 16,188 92 | ... | 1,561 08 |
| PROVINCE WELLESLEY. | | | | |
| Maintenance of Reserve Roads and Lands | 1,500 00 | 1,508 66 | 8 66 | ... |
| Do. Krian Bund ... | 650 00 | 649 20 | ... | 00 80 |
| | 2,150 00 | 2,157 86 | 8 66 | 00 80 |
| MALACCA. | | | | |
| Surveys of proposed Roads and taking soundings in connection with Public Works generally ... | 500 00 | ^a 5 00 | ... | 505 00 |
| Maintenance of grounds connected with Government Buildings ... | 3,000 00 | 2,386 82 | ... | 613 18 |
| | 3,500 00 | 2,381 82 | ... | 1,118 18 |
| <i>Carried forward</i> ... | 45,350 00 | 37,246 97 | 129 41 | 8,232 44 |
| <i>Carried forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |

(a) Expenditure credit.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898, 862 86 | 5,403,874 94 |
| 34.—PUBLIC WORKS, RECURRENT EXPENDITURE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 45,350 00 | 37,246 97 | 129 41 | 8,232 44 |
| (B)—BUILDINGS AND MISCEL- LANEOUS WORKS. | | | | |
| SINGAPORE. | | | | |
| Maintenance of Singapore River, repairs to and running Expenses of Dredger ... | 18,000 00 | 21,003 42 | 3,003 42 | ... |
| Do. Grounds connected with Public Buildings ... | 7,500 00 | 7,758 65 | 258 65 | ... |
| Do. Beacons ... | 1,200 00 | 5,994 02 | 4,794 02 | ... |
| Do. Electric Lighting, Gov- ernment Hill ... | 8,500 00 | 9,051 40 | 551 40 | ... |
| Do. Electric Fans and Lights in Public Buildings ... | 5,400 00 | 7,840 85 | 2,440 85 | ... |
| Do. Vernacular Schools ... | 3,000 00 | 1,022 56 | ... | 1,977 44 |
| Do. Old Christian Cemetery ... | 500 00 | 496 27 | ... | 3 73 |
| Do. Sea and River Walls within Harbour Limits ... | 7,500 00 | 2,524 19 | ... | 4,975 81 |
| Furniture and Maintenance of Govern- ment Bungalows ... | 2,000 00 | 3,820 72 | 1,820 72 | ... |
| Government Buildings let for profit, Re- pairs and Improvements to ... | 2,000 00 | 1,997 23 | ... | 2 77 |
| Hospital, Kandang Kerbau, Whitewash- ing and Repairs to ... | 1,000 00 | 874 21 | ... | 125 79 |
| Current Repairs ... | 178,815 00 | 190,924 65 | 12,109 65 | ... |
| Minor Works and Alterations ... | 79,700 00 | 65,157 75 | ... | 14,542 25 |
| Up-keep of Goodwood Estate ... | 1,600 00 | 1,430 62 | ... | 169 38 |
| Brass and Iron Fittings for Public Buildings | 2,000 00 | 1,166 93 | ... | 833 07 |
| Telephones to Government Quarters ... | ... | a 1,811 41 | 1,811 41 | ... |
| | 318,715 00 | 322,874 88 | 26,790 12 | 22,630 24 |
| CHRISTMAS ISLAND. | | | | |
| Minor Works and Alterations ... | 150 00 | 16 00 | ... | 134 00 |
| Current Repairs ... | 600 00 | 206 76 | ... | 393 24 |
| | 750 00 | 222 76 | ... | 527 24 |
| PENANG. | | | | |
| Brass and Iron Fittings for Public Build- ings ... | 1,000 00 | 26 45 | ... | 973 55 |
| Maintenance of Vernacular Schools ... | 4,000 00 | 4,066 01 | 66 01 | ... |
| Maintenance of Grounds connected with Government Buildings ... | 4,000 00 | 4,372 05 | 372 05 | ... |
| Maintenance of Hill Bungalows, Furniture and Grounds ... | 5,000 00 | 2,710 70 | ... | 2,289 30 |
| Maintenance of Furniture of Governor's Hill Bungalow ... | 2,000 00 | 1,535 81 | ... | 464 19 |
| Maintenance of Governor's Quarters, Sepoy Lines ... | 1,000 00 | 733 21 | ... | 266 79 |
| <i>Carried forward</i> ... | 17,000 00 | 13,444 23 | 438 06 | 3,993 83 |
| <i>Carried forward</i> ... | 364,815 00 | 360,344 61 | 26,919 53 | 31,389 92 |
| <i>Carried forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |
| 34.—PUBLIC WORKS, RECURRENT EXPENDITURE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 364,815 00 | 360,341 61 | 26,919 53 | 31,389 92 |
| (B)—BUILDINGS AND MISCEL- LANEOUS WORKS— <i>Continued.</i> | | | | |
| PENANG— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 17,000 00 | 13,444 23 | 438 06 | 3,993 83 |
| Maintenance of Residency Furniture ... | 1,000 00 | 946 52 | ... | 53 48 |
| Maintenance of furniture of Unmarried Officers' quarters ... | 200 00 | 200 00 | ... | ... |
| Maintenance of Lighting Government Buildings ... | 4,000 00 | 3,851 41 | ... | 148 59 |
| Current Repairs ... | 98,950 00 | 100,301 10 | 1,351 10 | ... |
| Minor Works and Alterations ... | 20,000 00 | 18,722 85 | ... | 1,277 15 |
| | 141,150 00 | 137,466 11 | 1,789 16 | 5,473 05 |
| DINDINGS. | | | | |
| Maintenance of Grounds connected with Government Buildings ... | 100 00 | 48 00 | ... | 52 00 |
| Maintenance of Rest-houses ... | 300 00 | 289 31 | ... | 10 69 |
| Current Repairs ... | 10,000 00 | 8,966 71 | ... | 1,033 29 |
| Minor Works and Alterations ... | 1,500 00 | 1,960 85 | 460 85 | ... |
| | 11,900 00 | 11,264 87 | 460 85 | 1,095 98 |
| PROVINCE WELLESLEY. | | | | |
| Maintenance of Vernacular Schools ... | 3,000 00 | 3,013 92 | 13 92 | ... |
| Maintenance of Grounds connected with Government Buildings ... | 500 00 | 497 59 | ... | 2 41 |
| Current Repairs ... | 52,850 00 | 52,847 72 | ... | 2 28 |
| Minor Works ... | 7,500 00 | 7,678 09 | 178 09 | ... |
| | 63,850 00 | 64,037 32 | 192 01 | 4 69 |
| MALACCA. | | | | |
| Current Repairs ... | 50,000 00 | 39,578 89 | ... | 10,421 11 |
| Maintenance of Esplanade and [Public Grounds ... | 2,500 00 | 1,334 60 | ... | 1,165 40 |
| Maintenance of electric lights & fans in Government Offices ... | 1,000 00 | 897 63 | ... | 102 37 |
| Maintenance of Government Residences... | 3,000 00 | 2,534 04 | ... | 465 96 |
| Maintenance of river walls, quays and groynes ... | 1,500 00 | 1,482 11 | ... | 17 89 |
| Maintenance of Vernacular Schools ... | 7,000 00 | 3,955 24 | ... | 3,044 76 |
| Minor Works ... | 12,000 00 | 9,236 18 | ... | 2,763 82 |
| Whitewashing and tarring Schools and Police Stations ... | 2,200 00 | 1,188 95 | ... | 1,011 05 |
| | 79,200 00 | 60,207 64 | ... | 18,992 36 |
| <i>Carried forward</i> ... | 660,915 00 | 633,320 55 | 29,361 55 | 56,956 00 |
| <i>Carried forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|-----------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 29,750,923 00 | 31,245,910 92 | 6,898,862 86 | 5,403,874 94 |
| 34.—PUBLIC WORKS, RECURRENT EXPENDITURE— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 660,915 00 | 633,320 55 | 29,361 55 | 56,956 00 |
| (B)—BUILDINGS AND MISCEL- LANEOUS WORKS— <i>Continued.</i> | | | | |
| LABUAN. | | | | |
| Clearing and Burning weeds on Govern- ment lands ... | 100 00 | 96 06 | ... | 3 94 |
| Current Repairs ... | 3,000 00 | 2,986 20 | ... | 13 80 |
| Maintenance of Government House and Domain ... | 750 00 | 748 38 | ... | 1 62 |
| Maintenance of grounds round cemeteries and public buildings ... | 200 00 | 199 06 | ... | 0 94 |
| Minor Works and Alterations ... | 1,500 00 | 1,478 95 | ... | 21 05 |
| Street Lighting ... | 100 00 | 95 34 | ... | 4 66 |
| Up-keep of Workshop ... | 250 00 | 79 05 | ... | 170 95 |
| Maintenance of Rest House ... | 150 00 | 149 10 | ... | 0 90 |
| | 6,050 00 | 5,832 14 | ... | 217 86 |
| Total, PUBLIC WORKS, RECURRENT EXPENDITURE ... | 666,965 00 | 639,152 69 | 29,361 55 | 57,173 86 |
| 35.—PUBLIC WORKS, EXTRAORDINARY. | | | | |
| (A)—ROADS, STREETS, BRIDGES AND CANALS. | | | | |
| SINGAPORE. | | | | |
| Botanical Gardens—Remetalling Main Roads ... | 4,000 00 | 3,426 00 | ... | 574 00 |
| Edinburgh Road—Remetalling ... | 5,000 00 | 4,909 63 | ... | 90 37 |
| Government Offices—Repairs and tarring to Roads ... | 1,200 00 | 1,200 69 | 0 69 | ... |
| Goodwood Hill—Tar painting to Roads ... | 3,500 00 | 3,194 01 | ... | 305 99 |
| Lunatic Asylum—Laterite repairs ... | 1,000 00 | 870 75 | ... | 129 25 |
| Motor Lorry—2 ton ... | 10,000 00 | 10,000 00 | ... | ... |
| Pearls Hill—Remetalling and tarring Roads ... | 1,200 00 | 846 40 | ... | 353 60 |
| Sepoy Lines—Road from Outram Road School to A. S. P's Quarters and road approach European Warders' Quarters —metalling and tarring ... | 9,800 00 | 7,703 79 | ... | 2,096 21 |
| Approach Road to Government House, Asphalting of ... | ... | ^a 1,424 89 | 1,424 89 | ... |
| | 35,700 00 | 33,576 16 | 1,425 58 | 3,549 42 |
| PENANG. | | | | |
| Tar Boiler—Purchase of ... | 2,000 00 | 2,000 00 | ... | ... |
| Motor Lorry, 2 ton ... | 12,000 00 | 12,000 00 | ... | ... |
| | 14,000 00 | 14,000 00 | ... | ... |
| <i>Carried forward</i> ... | 49,700 00 | 47,576 16 | 1,425 58 | 3,549 42 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 49,700 00 | 47,576 16 | 1,425 58 | 3,549 42 |
| (A)—ROADS, STREETS, BRIDGES AND CANALS— <i>Continued.</i> | | | | |
| PROVINCE WELLESLEY. | | | | |
| Penaga Wireless Station—Metalling approach road to Assistant Engineer Operator's Quarters and providing concrete drains ... | 2,000 00 | ... | ... | 2,000 00 |
| | 2,000 00 | ... | ... | 2,000 00 |
| MALACCA. | | | | |
| Cape Rachado Light House—Repairs to Road ... | 1,000 00 | 944 20 | ... | 55 80 |
| | 1,000 00 | 944 20 | ... | 55 80 |
| | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS. | | | | |
| SINGAPORE. | | | | |
| Aerodrome, Balestier Road—Providing a permanent Hangar ... | 20,000 00 | ... | .. | 20,000 00 |
| Aviation ground at Balestier Road—Filling in, draining and levelling of ... | 5,000 00 | 1,569 95 | ... | 3,430 05 |
| Beacon No. 25—Opposite Tanjong Gul—Rebuilding ... | 4,000 00 | 4,000 00 | ... | ... |
| Botanical Gardens—Laboratory ... | 2,000 00 | 2,000 00 | ... | ... |
| Botanical Gardens—Overhauling Assistant Director's Quarters ... | 8,000 00 | 3,416 82 | ... | 4,583 18 |
| Botanical Gardens—Kiosk ... | 2,500 00 | ... | ... | 2,500 00 |
| Botanical Gardens—Quarters for 12 Single and 10 Married men in the Tamii Coolie Lines ... | 15,000 00 | ... | ... | 15,000 00 |
| Botanical Gardens—Rebuilding Javanese Coolie Lines ... | 6,500 00 | 8,740 00 | 2,240 00 | ... |
| Cross Street shop and model tenements ... | 500,000 00 | 312,298 09 | ... | 187,701 91 |
| Goodwood Hill—Making up low lying areas ... | 5,000 00 | 4,999 71 | ... | 0 29 |
| Government Hill—Addition to Colonial Secretary's Bungalow ... | 30,000 00 | 30,550 19 | 550 19 | ... |
| Government Hill—Special Services to Colonial Secretary's Bungalow ... | 15,000 00 | 14,846 10 | ... | 153 90 |
| <i>Carried forward</i> ... | 613,000 00 | 382,420 86 | 2,790 19 | 233,369 33 |
| <i>Carried forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 613,000 00 | 382,420 86 | 2,790 19 | 233,369 33 |
| SINGAPORE— <i>Continued.</i> | | | | |
| Government House—Converting supper room and card room in New Block into bedrooms ... | 105,000 00 | ... | ... | 105,000 00 |
| Government House—Renewal of the flat roofs in reinforced cement concrete ... | 35,000 00 | 368 50 | ... | 34,631 50 |
| Government House—Renewing Screens at side and back of ... | 8,000 00 | 1,695 66 | ... | 6,304 34 |
| Government Monopolies—Godowns for ... | 140,000 00 | 83,760 00 | ... | 56,240 00 |
| Government Offices—Extension of ... | 150,000 00 | 136,730 68 | ... | 13,269 32 |
| Government Offices—New water borne sewage system to latrines ... | 5,000 00 | 2,604 55 | ... | 2,395 45 |
| Government Printing Office—Enlarging store-room ... | 3,000 00 | 2,014 99 | ... | 985 01 |
| Havelock Road, Reclamation ... | 71,000 00 | 57,464 20 | ... | 13,535 80 |
| Hospital, General—New ... | 500,000 00 | 255,387 34 | ... | 244,612 66 |
| Hospital, General—Remodelling of Dres- sers' Quarters for a European Steward and construction of three quarters for the Dressers ... | 5,000 00 | ... | ... | 5,000 00 |
| Hospital Kandang Kerbau—Installation of Electric Light ... | 1,500 00 | ... | ... | 1,500 00 |
| Hospital, Tan Tock Seng's—Horsfall's Des- tructor with a shed for refuse ... | 5,000 00 | ... | ... | 5,000 00 |
| Hospital, Tan Tock Seng's—Providing ceiling to eight wards ... | 27,000 00 | 1,400 00 | ... | 25,600 00 |
| Hospital, Tan Tock Seng's—Quarters for Dressers ... | 19,000 00 | 12,738 49 | ... | 6,261 51 |
| Hospital, Tan Tock Seng's—Two Quarters for Junior Assistant Surgeons ... | 4,800 00 | 4,800 00 | ... | ... |
| Hospital, Tan Tock Seng's—Shed for firewood ... | 3,000 00 | ... | ... | 3,000 00 |
| Hospital, Tan Tock Seng's—Water Carri- age Sewerage System ... | 120,000 00 | 593 59 | ... | 119,406 41 |
| Hospital, Tuberculosis, at Trafalgar Estate ... | 350,000 00 | ... | ... | 350,000 00 |
| Labrador Villa—Erection of a Garage ... | 5,000 00 | ... | ... | 5,000 00 |
| Leper Asylum, Female—Removal and re- building of ... | 175,000 00 | ... | ... | 175,000 00 |
| Lighthouse—Aga light on Lazarus Island and light-keeper's hut ... | 8,500 00 | ... | ... | 8,500 00 |
| Light ouse, Sultan Shoal—New Fender piles including repairs ... | 5,000 00 | 5,000 00 | ... | ... |
| Lunatic Asylum at Trafalgar Estate ... | 150,000 00 | ... | ... | 150,000 00 |
| Lunatic Asylum, Pasir Panjang—Repairs to floors of Wards 1, 2 and 3, Beri- Beri Hospital ... | 6,000 00 | 2,440 16 | ... | 3,559 84 |
| Master Attendants Pier—Re-inforced con- crete covering to piles ... | 5,000 00 | 3,057 83 | ... | 1,942 17 |
| <i>Carried forward</i> ... | 2,519,800 00 | 952,476 85 | 2 790 19 | 1,570,113 34 |
| <i>Carried forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> .. | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY—Continued. | | | | |
| <i>Brought forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS—Continued. | | | | |
| <i>Brought forward</i> ... | 2,519,800 00 | 952,476 85 | 2,790 19 | 1,570,113 34 |
| SINGAPORE—Continued. | | | | |
| Medical School Hostel, Lecture Room, Laboratory and Bungalow ... | 110,500 00 | 7,575 40 | ... | 102,924 60 |
| Monopolies Department, Cecil Street— Repainting to head office ... | 6,000 00 | 3,959 73 | ... | 2,040 27 |
| Opium Factory, Teluk Blangah—Two new boiling rooms, etc. ... | 125 000 00 | 18,990 83 | ... | 106,009 17 |
| Pearls Hill, Sikh Police Barracks—Rebuil- ding Armoury ... | 6,000 00 | ... | ... | 6,000 00 |
| Pearls Hill, Water Sewerage System for Government Buildings ... | 46,250 00 | 60 56 | .. | 46,189 44 |
| Po Leung Kuk, Kandang Kerbau—Special Services to ... | 3,300 00 | 816 50 | ... | 2,483 50 |
| Police Barracks for Sikh Police at New Bridge Road ... | 110,000 00 | ... | ... | 110,000 00 |
| Police Barracks, People's Park—Renewing timber in hardwood ... | 5,000 00 | ... | ... | 5,000 00 |
| Police Barracks People's Park—Replacing chicks by trellis-work ... | 5,000 00 | ... | ... | 5,000 00 |
| Police Depot, Thomson Road... .. | 100,000 00 | .. | .. | 100,000 00 |
| Police Station, Central—Installation of Electric lights in the, including charge room, Inspectors' Offices, Barracks, Ins- pectors' Quarters Telok Ayer, New Bridge Road, People's Park ... | 4,000 00 | ... | ... | 4,000 00 |
| Police Station, Central—Reconstruction of Barrack Verandahs ... | 10,000 00 | ... | ... | 10,000 00 |
| Police Station, Central—Renewing floor of second floor barracks in hardwood ... | 5,000 00 | 1,000 00 | .. | 4,000 00 |
| Police Station, Kampong Bahru—Rebuil- ding Kitchen to married quarters No. 1 ... | 3,000 00 | 1,888 76 | ... | 1,111 24 |
| Police Station, Kreta Ayer, New married quarters ... | 11,000 00 | 4,000 00 | ... | 7,000 00 |
| Police Station, Marine—New, and improve- ments to barracks ... | 41,250 00 | ... | ... | 41,250 00 |
| Police Station, New, at Bukit Panjang ... | 18,000 00 | ... | .. | 18,000 00 |
| Police Station, Orchard Road—Rebuilding barracks ... | 27,000 00 | 78 29 | ... | 26,921 71 |
| Police Station, Orchard Road—Singlemen's barracks for 20 Sikhs ... | 15,000 00 | ... | ... | 15,000 00 |
| Police Station, Rochore—Raising River Wall and filling in compound ... | 3,700 00 | ... | ... | 3,700 00 |
| Police Station, Rumah Miskin—11 married quarters ... | 30,000 00 | 5,383 61 | ... | 24,616 39 |
| Police Station, Sepoy Lines—New, and quarters ... | 60,000 00 | ... | ... | 60,000 00 |
| <i>Carried forward</i> .. | 3,264,800 00 | 996,230 53 | 2,790 19 | 2,271,359 66 |
| <i>Carried forward</i> ... | 52,700 00 | 48 520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 3,264,800 00 | 996,230 53 | 2,790 19 | 2,271,359 66 |
| SINGAPORE— <i>Continued.</i> | | | | |
| Police Station, Tanjong Pagar—New and Quarters ... | 110,000 00 | ... | ... | 110,000 00 |
| Police Station, Tanjong Rhu—Additional Barracks ... | 24,500 00 | ... | ... | 24,500 00 |
| Post Office and Government Buildings— New ... | 500,000 00 | 30,261 99 | ... | 469,738 01 |
| Post Office, General—New, and new Gene- ral and Native Hospitals and Medical buildings, Sepoy Lines—Supervision expenses of ... | 45,000 00 | 54,453 23 | 9,453 23 | ... |
| Post Office, Sub-erection of at corner of Neil Road and Kampong Bahru Road ... | 6,000 00 | 30,507 38 | 24,507 38 | ... |
| Prison and Prisons Officers' Quarters— Electric Lighting ... | 20,000 00 | 21,074 72 | 1,074 72 | ... |
| Prisons Civil—Extension and alterations Prisons—Fifteen Bath-rooms to European Warders' Quarters ... | 15,500 00 | 9,507 21 | ... | 5,992 79 |
| Prisons—Rebuilding Kitchen and Record Office ... | 15,000 00 | 13,564 78 | ... | 1,435 22 |
| Quarantine Station, St. John's Island— An infectious Diseases Ward at ... | 43,000 00 | ... | ... | 43,000 00 |
| Quarantine Station, St. John's Island— Bed Boards for four Wards ... | 32,500 00 | ... | ... | 32,500 00 |
| Quarantine Station, St. John's Island— General repairs to pier ... | 6,000 00 | 5,400 00 | ... | 600 00 |
| Quarantine Station, St. John's Island— Poilite sides to Wards in Camps 8-22 ... | 4,000 00 | 3,445 27 | ... | 554 73 |
| Quarantine Station, St. John's Island— Rebuilding Hospital Attendants' Quarters ... | 10,500 00 | 5,190 99 | ... | 5,309 01 |
| Quarantine Station, St. John's Island— Camp fencing ... | 10,000 00 | 6,839 62 | ... | 3,160 38 |
| Quarters at Goodwood—Four ... | 75,000 00 | 68,203 90 | ... | 6,796 10 |
| Quarters, Goodwood Plantation—Three ... | 161,000 00 | 160,675 01 | ... | 324 99 |
| Quarters for four Clerks, Penang Lane ... | 125,000 00 | 33,224 72 | ... | 91,775 28 |
| Quarters for seven Clerks, Bukit Timah Road ... | 26,000 00 | 25,786 20 | ... | 213 80 |
| Quarters for Clerks, Buffalo and Bukit Timah Roads—Installation of Electric Lights ... | 68,741 00 | 48,860 08 | ... | 19,880 92 |
| Quarters for the Chief Justice, Nassim Hill ... | 3,300 00 | ... | ... | 3,300 00 |
| Quarters for the Coroner ... | 178,000 00 | 83 60 | ... | 177,916 40 |
| Quarters for Lady Medical Officer, Kan- dang Kerbau Hospital ... | 41,000 00 | ... | ... | 41,000 00 |
| <i>Carried forward</i> ... | 25,000 00 | 34,626 08 | 9,626 08 | ... |
| <i>Carried forward</i> ... | 4,809,841 00 | 1,547,935 31 | 47,451 60 | 3,309,357 29 |
| <i>Carried forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 85.—PUBLIC WORKS, EXTRAORDINARY—Continued. | | | | |
| <i>Brought forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS—Continued. | | | | |
| <i>Brought forward</i> ... | 4,809,841 00 | 1,547,935 31 | 47,451 60 | 3,309,357 29 |
| SINGAPORE—Continued. | | | | |
| Quarters for Medical Officers, Sepoy Lines —Five ... | 210,000 00 | 73,033 06 | .. | 136,966 94 |
| Quarters, Nassim Hill—Three ... | 160,000 00 | 15,327 09 | .. | 144,672 91 |
| Quarters on Nassim Hill Estate—Four ... | 165,000 00 | 56,461 04 | .. | 108,538 96 |
| Quarters for Sub-Inspectors at Kampong Malacca Police Station ... | 6,900 00 | .. | .. | 6,900 00 |
| Quarters for Sub-Warders—Two storey block ... | 41,100 00 | 46,186 15 | 5,086 15 | .. |
| Quarters for the Superintendent of Parks of Botanical Gardens including approach Road ... | 33,500 00 | 80 55 | .. | 33,419 45 |
| Quarters for Officers of the Clerical and Subordinate Services ... | 150,000 00 | 161,396 22 | 11,396 22 | .. |
| Quarters for Clerks ... | 200,000 00 | .. | .. | 200,000 00 |
| Quarters for the Tamil Clerk, Prisons Department ... | 8,000 00 | .. | .. | 8,000 00 |
| Quarters for Watchmen at the Botanical Gardens—Rebuilding ... | 5,000 00 | .. | .. | 5,000 00 |
| Raffles Institution—Quarters for Princi- pal and Flats for three teachers, etc. ... | 159,000 00 | 9,232 65 | .. | 149,767 35 |
| Raffles Museum and Library—Installation of a Lavatory ... | 10,500 00 | .. | .. | 10,500 00 |
| School, Vernacular, at Geylang with tea- chers' quarters ... | 20,000 00 | .. | .. | 20,000 00 |
| School, Victoria Bridge—Quarters for two Caretakers and extension of Boundary Wall and fence ... | 18,000 00 | 11,735 42 | .. | 6,264 58 |
| Sea-Wall, Tanjong Katong Fort ... | 25,000 00 | 24,876 90 | .. | 123 10 |
| Singapore River Improvement ... | 50,000 00 | 34,991 80 | .. | 15,008 20 |
| School, Vernacular, Teluk Kurau—Erect- ion of, including site ... | 28,000 00 | .. | .. | 28,000 00 |
| School, Vernacular, Padang Terbakar— Conversion of teachers' quarters ... | 13,500 00 | 4,000 00 | .. | 9,500 00 |
| School, Vernacular, Kampong Roko— School Buildings, teachers' quarters and covered way ... | 33,000 00 | .. | .. | 33,000 00 |
| Schools, English Elementary—Two ... | 70,000 00 | .. | .. | 70,000 00 |
| Survey Office—Fireproof strong-room for Tanjong Katong Fort—Demolishing and filling up moat ... | 4,000 00 | 3,918 14 | .. | 81 86 |
| Tanjong Rhu—Bungalow for Subordinates with furniture ... | 15,000 00 | 24,573 86 | 9,573 86 | .. |
| | 24,000 00 | .. | .. | 24,000 00 |
| <i>Carried forward</i> ... | 6,259,341 00 | 2,013,748 19 | 73,507 83 | 4,319,100 64 |
| <i>Carried forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 6,259,341 00 | 2,013,748 19 | 73,507 83 | 4,319,100 64 |
| SINGAPORE— <i>Continued.</i> | | | | |
| Terrace houses at Tanjong Katong ... | 310,000 00 | 309,985 29 | ... | 14 71 |
| Kandang Kerbau Hospital, Conversion into quarters of the Medical Store at ... | ... | a 9,266 21 | 9,266 21 | ... |
| Temporary Buildings for the use of the Postmaster-General and other Officers, Erection of ... | ... | a 155,814 49 | 155,814 49 | ... |
| Bungalow at Labrador for the use of the Government Architects, Erection of ... | ... | a 19,690 00 | 19,690 00 | ... |
| Hospital Tan Tock Seng's, Latrine and bathing Accommodation for Lunatic Attendants ... | ... | a 1,500 00 | 1,500 00 | ... |
| Magistrates' Courts, Conversion of the existing stables and Latrines into Water closets and urinals ... | ... | a 7,040 00 | 7,040 00 | ... |
| Police Station, Alexandra Road, Erection of a pound at ... | ... | a 91 66 | 91 66 | ... |
| Police Station Central, Providing sky light over Lock-up cells ... | ... | a 500 00 | 500 00 | ... |
| Post Office, Sub at Seletar, Erection of quarters for postmen ... | ... | a 2,985 00 | 2,985 00 | ... |
| Quarters for peons, Erection of ... | ... | a 1,520 37 | 1,520 37 | ... |
| School Outram Road, Providing additional covered space at ... | ... | a 3,352 42 | 3,352 42 | ... |
| Sea Wall Tanjong Rhu, Providing puddle backing and coping to ... | ... | a 661 52 | 661 52 | ... |
| Quarters for Land Bailiff at Bukit Timah ... | ... | a 2,698 00 | 2,698 00 | ... |
| Wireless Station, Paya Lebar, Alteration to Engine Room ... | ... | a 451 20 | 451 20 | ... |
| Electric Light in the Assistant Superinten- dent's Quarters at Pearls Hill, Installa- tion of ... | ... | a 1,050 00 | 1,050 00 | ... |
| The Rd. at Nassim Hill Estate, Diversion of ... | ... | a 1,728 05 | 1,728 05 | ... |
| The Scheme for Electric Supply to Govern- ment Quarters on Goodwood Hill, Government share of the cost of ... | ... | a 7,236 00 | 7,236 00 | ... |
| Strong-room in the Colonial Secretary's Office for safe custody of confidential files, Construction of a ... | ... | a 1,260 00 | 1,260 00 | ... |
| Disinfecting chambers for the prevention of influenza in Straits Settlements, Erection of ... | ... | a 578 00 | 578 00 | ... |
| Chinese Protectorate, additional accommo- dation for Women and Children ... | ... | a 13,000 00 | 13,000 00 | ... |
| Quarters for Chief Inspector of Police ... | ... | a 34,825 73 | 34,825 73 | ... |
| Police Station, Telok Ayer, Married Quar- ters, new tiled roof required ... | ... | a 606 04 | 606 04 | ... |
| Old Sikh Guard-room in the compound of the abandoned Powder Magazine at Sepoy Lines into quarters for two Euro- pean Attendants, Conversion of ... | ... | a 6,026 50 | 6,026 50 | ... |
| Crown Land at Lorong 27A, Geylang Improvements on ... | ... | a 5,711 61 | 5,711 61 | ... |
| <i>Carried forward</i> ... | 6,569,341 00 | 2,601,326 28 | 351,100 63 | 4,319,115 35 |
| <i>Carried forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

**STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.**

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY—Continued. | | | | |
| <i>Brought forward ...</i> | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 24 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS—Contd. | | | | |
| <i>Brought forward. ...</i> | 6,569,341 00 | 2,601,326 28 | 351,100 63 | 4,319,115 35 |
| SINGAPORE—Continued. | | | | |
| Beacon No. 3, on Pulau Bosing, Re- building of ... | ... | a 4,800 00 | 4,800 00 | ... |
| Two Masonry Beacons Nos. 6 and 13, Reconstruction of in rein- forced concrete ... | ... | a 3,800 00 | 3,800 00 | ... |
| Workshop Equipment for Public Works Department ... | ... | a 543 10 | 543 10 | ... |
| Hospital, Tan Tock Seng's, pro- viding ceiling to 3 Wards ... | ... | a 1,483 59 | 1,483 59 | ... |
| School Outram Road, Erection of lavatories for teachers' and pupils at ... | ... | a 405 00 | 405 00 | ... |
| Native Wards, Replacement of nine latrines at ... | ... | a 2,725 00 | 2,725 00 | ... |
| Repairs to Mount Rosie ... | ... | a 31,354 32 | 31,354 32 | ... |
| Furniture and repairs to Ayer Jerneh ... | ... | a 4,498 46 | 4,498 46 | ... |
| Temporary Buildings for the Income Tax Department, Erection of ... | ... | a 10,000 00 | 10,000 00 | ... |
| Maternity Hospital, Roof over porch ... | ... | a 3,000 00 | 3,000 00 | ... |
| New Water, Main for new Govern- ment Houses including the Chief Justice's Quarters at Nassim Road ... | ... | a 1,800 00 | 1,800 00 | ... |
| Central Police Station, Escape proof ceiling to the cells at ... | ... | a 2,196 72 | 2,196 72 | ... |
| Construction of a garage and ser- vants quarters at the Botanical Gardens, Additional cost of ... | ... | a 850 00 | 850 00 | ... |
| Nassim House, Installation of Elec- tric Light ... | ... | a 8,682 00 | 8,682 00 | ... |
| Incinerators, Five, Construction of ... | ... | a 16 00 | 16 00 | ... |
| Dispensaries, Five, Construction of ... | ... | a 12,718 57 | 12,718 57 | ... |
| Hospital, Tan Tock Seng's, new Coolie Lines ... | ... | a 7,072 50 | 7,072 50 | ... |
| Quarantine Station St. John's Island, Ward 17, Erection of latrine to ... | ... | a 3,400 00 | 3,400 00 | ... |
| <i>Carried forward ...</i> | 6,569,341 00 | 2,700,671 54 | 450,445 89 | 4,319,115 35 |
| <i>Carried forward ...</i> | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| <i>Carried forward ...</i> | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 52,700 00 | 48,520 36 | 1,425 58 | 5,605 22 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 6,569,341 00 | 2,700,671 54 | 450,445 89 | 4,319,115 35 |
| SINGAPORE— <i>Continued.</i> | | | | |
| Quarters for European Warders, Bath rooms for ... | ... | a 2,528 65 | 2,528 65 | ... |
| Wireless Station, Paya Lebar, Erec- tion of Quarters for Clerks and Artificers ... | ... | a 2,380 00 | 2,380 00 | ... |
| Prison, Criminal, Extension of Water Sewage System to Work- yards at ... | ... | a 1,820 00 | 1,820 00 | ... |
| Government House, Additions to ... | ... | a 25,541 26 | 25,541 26 | ... |
| Electric fittings in the Dining-room and Hall of No. 8 Goodwood Hill, Cost of ... | ... | a 200 00 | 200 00 | ... |
| Nassim House, alterations to ... | ... | a 2,437 15 | 2,437 15 | ... |
| Steam Shovel, purchase of ... | ... | a 4,725 00 | 4,725 00 | ... |
| Plant House in the Government House Domain, Re-erection of ... | ... | a 2,641 92 | 2,641 92 | ... |
| Central Police Station, Certain alterations to the Kitchens, Latrines and bath room accommo- dation ... | ... | a 3,293 40 | 3,293 40 | ... |
| Installation of three electric fans ... | ... | a 633 00 | 633 00 | ... |
| Cost of maintaining and running the Delco and Lister, Bruston electric lighting sets in Changi and con- valescent bungalows and also for maintaining the lighting sets in other Government Residences ... | ... | a 1,080 47 | 1,080 47 | ... |
| Maternity Hospital, Sepoy Lines, Alteration to the ... | ... | a 42 | 42 | ... |
| General Hospital, Certain new services in connection with the supply of water to the ... | ... | a 1,773 94 | 1,773 94 | ... |
| Raising the outer wall of the Prison Government House, Relaying the pumping main to ... | ... | a 3,100 00 | 3,100 00 | ... |
| | ... | a 2,000 00 | 2,000 00 | ... |
| Total, Singapore ... | 6,569,341 00 | 2,754,826 75 | 504,601 10 | 4,319,115 35 |
| <i>Carried forward</i> ... | 6,622,041 00 | 2,803,347 11 | 506,026 68 | 4,324,720 57 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward ...</i> | 6,622,041 00 | 2,803,347 11 | 506,026 68 | 4,324,720 57 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| CHRISTMAS ISLAND. | | | | |
| District Officer's Quarters, Repairs to Floor of ... | 2,000 00 | 1,999 44 | ... | 00 56 |
| Total, Christmas Island ... | 2,000 00 | 1,999 44 | ... | 00 56 |
| PENANG. | | | | |
| Botanical Gardens—Additional Kitchen to Coolie Lines ... | 800 00 | 685 00 | ... | 115 00 |
| Botanical Gardens—New Weir ... | 1,700 00 | ... | .. | 1,700 00 |
| Botanical Gardens—Up-keep of Roads at ... | 4,700 00 | 1,801 90 | ... | 2,898 10 |
| Cattle Quarantine Station—Re- placing steel fence with corrug- ated Iron Sheetings on North side of ... | 4,500 00 | ... | ... | 4,500 00 |
| Chief Medical Officer's Office— Strong room ... | 6,500 00 | 442 50 | ... | 6,057 50 |
| Concrete Tile Making Machine— Purchase of ... | 800 00 | ... | ... | 800 00 |
| Concrete Hollow Block-making Machine—Purchase of ... | 3,000 00 | ... | ... | 3,000 00 |
| District Office, Balik Pulau—Ex- tension of ... | 3,000 00 | 53 22 | ... | 2,946 78 |
| Hospital, General—Additions and Improvements to ... | 350,000 00 | 88,521 61 | ... | 261,478 39 |
| Hospital, General—Staircase out- side from platform between Female Ward and Latrine with Gate at foot ... | 820 00 | ... | ... | 820 00 |
| Hospital, District—New Blind Ward ... | 5,000 00 | ... | ... | 5,000 00 |
| Hospital, District—Covered Ways between Wards ... | 15,000 00 | ... | ... | 15,000 00 |
| Hospital General—Raising Wall between Native Ward and Medi- cal Officer's Quarters ... | 1,000 00 | ... | ... | 1,000 00 |
| <i>Carried forward ...</i> | 396,820 00 | 91,504 23 | ... | 305,315 77 |
| <i>Carried forward ...</i> | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| <i>Carried forward ...</i> | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 396,820 00 | 91,504 23 | ... | 305,315 77 |
| PENANG— <i>Continued.</i> | | | | |
| Hostel for Malay School Boys ... | 100,000 00 | 407 10 | ... | 99,592 90 |
| Indian Immigration Coolie Dépôt at Sungei Pinang—Extension to Eating shed ... | 4,000 00 | 3,400 00 | ... | 600 00 |
| Laboratory for the Medical Depart- ment ... | 14,000 00 | ... | ... | 14,000 00 |
| Land Office—Iron Shelves in Strong-room of Registry of Deeds ... | 1,200 00 | 980 35 | ... | 219 65 |
| Leper Asylum, Pulau Jerejak—New covered way to Dining-room and kitchen, Eurasian Ward ... | 750 00 | 744 99 | ... | 5 01 |
| Leper Asylum, Pulau Jerejak— Concrete drain from foot of hill between new Eurasian Ward to sea front ... | 1,500 00 | 1,341 34 | ... | 158 66 |
| Leper Asylum, Pulau Jerejak— Main Kitchen and Cooks' Quarters ... | 5,000 00 | 5,000 00 | ... | ... |
| Light Railway track and tip Wagons—Purchase of ... | 3,000 00 | ... | ... | 3,000 00 |
| Lighthouse—Aga light on Pulau Tikus ... | 9,000 00 | 12,691 48 | 3,691 48 | ... |
| Police Station, Hutton Lane—Two Married Quarters for Corporal and Lance-Corporal ... | 5,000 00 | 500 00 | ... | 4,500 00 |
| Police Station, Pulau Tikus— Kitchen for Sergeant and a cove- red way from Married Quarters to the Kitchen ... | 1,500 00 | ... | ... | 1,500 00 |
| Police Station, Pulau Tikus—One room on ground-floor with a top storey ... | 5,000 00 | ... | ... | 5,000 00 |
| Police Station, Carnarvon Street— Re-building ... | 176,000 00 | 540 41 | ... | 175,459 59 |
| Police Station, Dato Kramat— Additional barrack accommoda- tion ... | 12,000 00 | ... | ... | 12,000 00 |
| <i>Carried forward</i> ... | 734,770 00 | 117,109 90 | 3,691 48 | 621,351 58 |
| <i>Carried forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

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|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324 721 13 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 734,770 00 | 117,109 90 | 3,691 48 | 621,351 58 |
| PENANG— <i>Continued.</i> | | | | |
| Police Station, Kuala Sungei Pinang, Balik Pulau—Re-con- struction of, including purchase of site | 26,000 00 | 4,585 00 | ... | 21,415 00 |
| Police new Powder Magazine, Pulau Jerejak | 1,500 00 | ... | ... | 1,500 00 |
| Post Office—Sub, Prangin Road ... | 9,000 00 | ... | ... | 9,000 00 |
| Post Office, Sub, at Magazine—Con- version of Sub-Inspector's Quar- ters into a | 4,500 00 | ... | ... | 4,500 00 |
| Post Office—Telephone Exchange | 100,000 00 | 7,772 24 | ... | 92,227 76 |
| Prisons—Extension of Bakehouse and new oven and alterations to cooking places | 3,000 00 | 1,715 33 | ... | 1,284 67 |
| Prisons—New roof to Office and Store | 1,500 00 | 1,274 51 | ... | 225 49 |
| Quarantine Station, Pulau Jerejak— Servants' and Police latrines to be converted to trench type ... | 2,500 00 | 1,468 00 | ... | 1,032 00 |
| Quarantine Station, Pulau Jerejak— Duplication of | 250,000 00 | ... | ... | 250,000 00 |
| Quarantine Station, Pulau Jerejak— Disinfection Chamber ... | 1,500 00 | ... | ... | 1,500 00 |
| Quarantine Station, Pulau Jerejak— Electric light plant | 25,000 00 | ... | ... | 25,000 00 |
| Quarantine Station, Pulau Jerejak— Quarters for two toties ... | 3,200 00 | 2,180 00 | ... | 1,020 00 |
| Quarters and Station for Foresters at Batu Ferringhi including latrines | 4,000 00 | 3,600 00 | ... | 400 00 |
| Quarters for Light-keeper at Pulau Rimau—Extension of ... | 3,500 00 | ... | ... | 3,500 00 |
| Quarters for Sub-Inspector at Maga- zine, Police Station | 6,000 00 | ... | ... | 6,000 00 |
| Quarters—Two, for Class II Officers School, Vernacular, Sungei Batu— Latrine at | 60,000 00 | ... | ... | 60,000 00 |
| School, Vernacular, Sungei Batu— Latrine at | 800 00 | 561 50 | ... | 238 50 |
| School, Vernacular, Telok Bahang— Latrine at | 800 00 | 391 20 | ... | 408 80 |
| <i>Carried forward</i> ... | 1,237,570 00 | 140,657 68 | 3,691 48 | 1,100,603 80 |
| <i>Carried forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

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| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 1,237,570 00 | 140,657 68 | 3,691 48 | 1,100,603 80 |
| PENANG.— <i>Continued.</i> | | | | |
| School, Vernacular, Telok Bahang— Well at... .. | 1,500 00 | 500 00 | ... | 1,000 00 |
| School, Vernacular, Kelawei—En- largement of | 2,100 00 | ... | ... | 2,100 00 |
| School, Vernacular, K a m p o n g Java—Teacher's Quarters inclu- ding removal of partition ... | 8,000 00 | ... | ... | 8,000 00 |
| Supreme Court—Installation of Elec- tric fans and lamps | 1,000 00 | 1,000 00 | ... | ... |
| Supreme Court—Hardwood racks with cover to Record room ... | 1,500 00 | 749 60 | ... | 750 40 |
| Tar—spraying Machine—Purchase of | 1,000 00 | 1,000 00 | ... | ... |
| Leper Asylum ward at Jelutong— Erection of a fence round ... | 6,200 00 | 1,588 31 | ... | 4,611 69 |
| Land at Permatang Pasir for padi cultivation—Improvement of ... | 3,000 00 | 2,457 64 | ... | 542 36 |
| Leper Asylum, Female, Jelutong— Erection of a small ward ... | 2,000 00 | 6,083 12 | 4,083 12 | ... |
| Police Station Barracks—New, etc., and Inspector's quarters at Bayan Lepas | 52,300 00 | ... | ... | 52,300 00 |
| Police Station Barracks—New, etc., at Sungei Nibong | 22,440 00 | 3,221 60 | ... | 19,218 40 |
| Police Station, Magazine—Erection of married quarters | 35,000 00 | ... | ... | 35,000 00 |
| Post Office—Erection of garage for three motor vans with quarters for drivers | 3,000 00 | 2,000 15 | ... | 999 85 |
| Quarantine Camp, Pulau Jerejak— Replacement of sides of wards with walls of reinforced concrete | 10,000 00 | 7,896 17 | ... | 2,103 83 |
| Reservoir of the Leper Asylum, Pulau Jerejak—Reconstruction of the floor and the enlargement of | 10,000 00 | 11,136 95 | 1,136 95 | ... |
| Quarters for Clerks | 45,000 00 | 27,069 84 | ... | 17,930 16 |
| Quarters for Peons | 15,000 00 | ... | ... | 15,000 00 |
| School, English Elementary ... | 180,000 00 | 3,750 05 | ... | 176,249 95 |
| <i>Carried forward</i> ... | 1,636,610 00 | 209,111 11 | 8,911 55 | 1,436,410 44 |
| <i>Carried forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

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|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued</i> . | | | | |
| <i>Brought forward</i> ... | 6,624,041 00 | 2,805,346 55 | 506,026 68 | 4,324,721 13 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 1,636,610 00 | 209,111 11 | 8,911 55 | 1,436,410 44 |
| PENANG.— <i>Continued</i> . | | | | |
| School, Vernacular, Sungei Rusa, Balik Pulau—Enlargement of, and building new quarters at ... | 2,500 00 | 2,028 50 | ... | 471 50 |
| Subordinate Officers—Club House for ... | 17,000 00 | ... | ... | 17,000 00 |
| Land at Patani Road—Reclaiming of the ... | ... | a 13,360 19 | 13,360 19 | ... |
| Additions and alterations to Bel Reteiro, on Penang Hill ... | ... | a 6 524 16 | 6,524 16 | ... |
| Beacon, white, South Channel—Re- placing of ... | ... | a 1,514 00 | 1,514 00 | ... |
| Gaol Guard-room—Alterations to Leper Asylum, Pulau Jerejak— Erection of a Mortuary ... | ... | a 624 12 | 624 12 | ... |
| Quarantine Camp, Pulau Jerejak— Erection of ration store and shelter for Sikh Police Guard at Lake Villa—Filling up of the pond in the ground ... | ... | a 1,603 80 | 1,603 80 | ... |
| Filling up the moat round Fort Cornwallis—Cost of ... | ... | a 700 00 | 700 00 | ... |
| | ... | a 4,000 00 | 4,000 00 | ... |
| | ... | a 46,000 00 | 46,000 00 | ... |
| Total, Penang ... | 1,656,110 00 | 285,465 88 | 83,237 82 | 1,453,881 94 |
| DINDINGS. | | | | |
| Court House—New ... | 7,500 00 | ... | ... | 7,500 00 |
| District Office—New ... | 35,000 00 | ... | ... | 35,000 00 |
| Hospital, Lumut—Rebuilding Dres- ser's quarters... .. | 5,000 00 | ... | ... | 5,000 00 |
| Hospital, Lumut—Rebuilding At- tendant's quarters ... | 2,500 00 | ... | ... | 2,500 00 |
| Hospital, Lumut—Reconstruction of Mortuary ... | 1,500 00 | 1,000 00 | ... | 500 00 |
| Hospital, Lumut—Quarters for one Assistant Surgeon ... | 12,000 00 | 500 00 | ... | 11,500 00 |
| Hospital, Lumut—Operating room ... | 18,000 00 | ... | ... | 18,000 00 |
| Hospital, Lumut—Female Ward ... | 10,000 00 | ... | ... | 10,000 00 |
| <i>Carried forward</i> ... | 91,500 00 | 1,500 00 | ... | 90,000 00 |
| <i>Carried forward</i> ... | 8,280,151 00 | 3,090,812 43 | 589,264 50 | 5,778,603 07 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885 063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 8,280,151 00 | 3,090,812 43 | 589,264 50 | 5,778,603 07 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 91,500 00 | 1,500 00 | ... | 90,000 00 |
| DINDINGS— <i>Continued.</i> | | | | |
| Hospital, Lumut—Quarters for one Dresser ... | 5,000 00 | 109 22 | ... | 4,890 78 |
| Jetty, Pengkalan Bahru ... | 750 00 | 613 64 | ... | 136 36 |
| Lighthouse, Tanjong Hantu—Re- taining Wall on North side of quarters of outhouses ... | 5,000 00 | 2,242 55 | ... | 2,757 45 |
| Post Office, Sub, at Pengkalan Bahru ... | 12,000 00 | ... | ... | 12,000 00 |
| Quarters for Chinese Interpreter at Lumut Police Station ... | 3,500 00 | ... | ... | 3,500 00 |
| Quarters for Launch Engineer Re- building ... | 3,000 00 | 3,000 00 | ... | ... |
| Rest House at Lumut ... | 25,000 00 | 4,984 50 | ... | 20,015 50 |
| Rest House, Pengkalan Bahru— Addition to ... | 10,000 00 | ... | ... | 10,000 00 |
| Forest Station at Segari, Erection of permanent ... | 4,000 00 | 1,325 00 | ... | 2,675 00 |
| Quarters for Clerks at Lumut— Construction of four ... | 42,000 00 | ... | ... | 42,000 00 |
| Quarters for Sub-Inspector at Lumut—Erection of ... | 4,000 00 | ... | ... | 4,000 00 |
| New pier ... | 17,000 00 | 34,143 00 | 17,143 00 | ... |
| Anti-malarial works at Lumut ... | ... | a 80 00 | 80 00 | ... |
| Forest Station at Segari, Lumut Erection of permanent ... | ... | a 3,508 00 | 3,508 00 | ... |
| Police Station at Kampong Segari, Erection of ... | ... | a 255 05 | 255 05 | ... |
| Total, Dindings ... | 222,750 00 | 51,760 96 | 20,986 05 | 191,975 09 |
| PROVINCE WELLESLEY. | | | | |
| Cattle Quarantine Station, Dusun Lada—Cutting drain round ... | 1,500 00 | 1,300 00 | ... | 200 00 |
| Hospital, Butterworth—House for thresh steam sterilizer ... | 3,862 00 | ... | ... | 3,862 00 |
| Hospital, Butterworth—Quarters for Motor Car Driver ... | 1,311 00 | ... | ... | 1,311 00 |
| <i>Carried forward</i> ... | 6,673 00 | 1,300 00 | ... | 5,373 00 |
| <i>Carried forward</i> ... | 8,502,901 00 | 3,142,573 39 | 610,250 55 | 5,970,578 16 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 8,502,901 00 | 3,142,573 39 | 610,250 55 | 5,970,578 16 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 6,673 00 | 1,300 00 | ... | 5,373 00 |
| PROVINCE WELLESLEY— <i>Contd.</i> | | | | |
| Hospital, Butterworth—Garage for Motor Ambulance ... | 1,880 00 | ... | ... | 1,880 00 |
| Hospital, Butterworth—Disinfectors at ... | 2,500 00 | ... | ... | 2,500 00 |
| Hospital, Butterworth—Operating room ... | 16,000 00 | 7,104 08 | ... | 8,895 92 |
| Hospital, Butterworth—Quarters for one Assistant Surgeon ... | 12,000 00 | ... | ... | 12,000 00 |
| Hospital, Butterworth—Concrete floor for one Ward ... | 2,000 00 | 1,640 00 | ... | 360 00 |
| Hospital, Bukit Mertajam—Quart- ers for one Dresser ... | 6,000 00 | 3,595 66 | ... | 2,404 34 |
| Post Office, Sungei Bakap—Erec- tion of ... | 10,000 00 | ... | ... | 10,000 00 |
| Post Office, Nibong Tebal—Earth filling and concrete drain round | 1,000 00 | 1,000 00 | ... | ... |
| Police Station, Permatang Binda- hari—Renewing floor in hard- wood ... | 1,300 00 | 887 00 | ... | 413 00 |
| Police Station, Padang Manorah— New barracks and kitchens for two married men ... | 2,600 00 | 2,150 00 | ... | 450 00 |
| Police Station, Ara Kuda—New barracks and kitchens for two married men ... | 2,600 00 | 1,850 00 | ... | 750 00 |
| Police Station, Maklom—Re-roofing barracks and general repairs to station, etc. ... | 4,000 00 | 4,000 00 | ... | ... |
| Police Station, Pinang Tunggal— Renewing floors of station and rest house in hardwood ... | 2,300 00 | 940 00 | ... | 1,360 00 |
| Police Station, Machang Buboh— Renewing floor in hardwood ... | 1,300 00 | 827 21 | ... | 472 79 |
| Quarters for four Telephone Opera- tors, Simpang Ampat—Erection of ... | 13,000 00 | 9,690 00 | ... | 3,310 00 |
| Quarters for Chief Police Officer, Butterworth—Extension of sea wall in front of ... | 4,000 00 | ... | ... | 4,000 00 |
| <i>Carried forward</i> ... | 89,153 00 | 34,983 95 | ... | 54,169 05 |
| <i>Carried forward</i> ... | 8,502,901 00 | 3,142,573 39 | 610,250 55 | 5,970,578 16 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 8,502,901 00 | 3,142,573 39 | 610,250 55 | 5,970,578 61 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 89,153 00 | 34,983 95 | ... | 54,169 05 |
| PROVINCE WELLESLEY— <i>Contd.</i> | | | | |
| Quarters for Linemen and Coolie lines for Telephone Department, Sungei Dua—Erection of ... | 3,000 00 | ... | ... | 3,000 00 |
| Quarters for an Assistant District Officer at Butterworth—Erection of ... | 36,000 00 | 30,213 75 | ... | 5,786 25 |
| Quarters for Malay Assistant Ins- pector of Schools at Butterworth | 6,000 00 | ... | ... | 6,000 00 |
| Quarters for Lorry driver and garage at Butterworth ... | 3,000 00 | ... | ... | 3,000 00 |
| School, Vernacular, Kota Aur—Re- newing floor in hardwood ... | 2,500 00 | ... | ... | 2,500 00 |
| School, Vernacular, Penaga—Re- newing floor in hardwood ... | 2,000 00 | ... | ... | 2,000 00 |
| Schools, Vernacular, at Nibong Tebal Permatang To'Kandu, Ara Rendang, Sungei Tembus and Tanah Liat—Erection of perman- ent latrines to ... | 1,250 00 | 1,100 00 | ... | 150 00 |
| School, Vernacular, at Tasek Junjong—Erection of teacher's quarters including purchase of site | 6,700 00 | 6,612 95 | ... | 87 05 |
| School, Vernacular, at Bagan Blat —Erection of teacher's quarters including purchase of site ... | 7,000 00 | ... | ... | 7,000 00 |
| School, Vernacular, at Lahar Minyak —Erection of teacher's quarters including purchase of site ... | 6,900 00 | ... | ... | 6,900 00 |
| School, Vernacular, at Permatang Sintok—Erection of teacher's quarters including purchase of site | 6,800 00 | 370 00 | ... | 6,430 00 |
| School, Vernacular, at Sungai Rambai—Erection of teacher's quarters including purchase of site | 7,000 00 | 6,970 98 | ... | 29 02 |
| Wireless Station, Penaga—Erection of a room for Storing oil ... | 1,800 00 | 781 62 | ... | 1,018 38 |
| School, Vernacular, at Goa Perahu —Erection of, including teachers' quarters ... | 23,200 00 | 10,000 00 | ... | 13,200 00 |
| <i>Carried forward</i> ... | 202,303 00 | 91,033 25 | ... | 111,269 75 |
| <i>Carried forward</i> ... | 8,502,901 00 | 3,142,573 39 | 610,250 55 | 5,970,578 61 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 8,502,901 00 | 3,142,573 39 | 610,250 55 | 5,970,578 16 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 202,303 00 | 91,033 25 | ... | 111,269 75 |
| PROVINCE WELLESLEY— <i>Contd.</i> | | | | |
| Cattle Quarantine Station, Dusun Lada—Repairs to ... | 2,000 00 | ... | ... | 2,000 00 |
| Cattle Quarantine Station, Butter- worth—New Isolation Shed Fencing and Walls ... | 32,500 00 | 29,416 30 | ... | 3,083 70 |
| Quarters for two operators, Penaga Wireless Station—Erection of ... | ... | a 14,940 00 | 14,940 00 | ... |
| Hospital, Butterworth—Erection of Bath rooms latrines and kitchen for Quarantine Camp ... | ... | a 7,750 00 | 7,750 00 | ... |
| Police Station and Barracks, Pulau Kra—Rebuilding including pur- chase of site ... | ... | a 8,011 10 | 8,011 10 | ... |
| Quarters for one Officer at Butter- worth ... | ... | a 23,776 74 | 23,776 74 | ... |
| Reclamation of Crown Land at Butterworth ... | ... | a 44,225 90 | 44,225 90 | ... |
| Schools, Vernacular, at Permatang Pau and Kubang Semang— Additions and alterations to ... | ... | a 900 00 | 900 00 | ... |
| School, Vernacular, Erection of two teachers' quarters ... | ... | a 10,060 00 | 10,060 00 | ... |
| Coolie Lines for Telegraph Lines- men, two ... | ... | a 1,782 00 | 1,782 00 | ... |
| Battery room Wireless Station Penaga, Enlargement of ... | ... | a 1,228 92 | 1,228 92 | ... |
| Total, Province Wellesley ... | 236,803 00 | 233,124 21 | 112,674 66 | 116,353 45 |
| MALACCA. | | | | |
| Dipper Dredge ... | 300,000 00 | ... | ... | 300,000 00 |
| Dipper Dredge—Working expenses of, for 6 months ... | 15,108 00 | ... | ... | 15,108 00 |
| Dipper Dredge—12 mud boats for Hospital, Alor Gajah .. | 3,240 00 | ... | ... | 3,240 00 |
| Hospital, Durian Daun—Concrete floors to Wards 1 and 2 ... | 100,000 00 | ... | ... | 100,000 00 |
| | 10,000 00 | 7,213 19 | ... | 2,786 81 |
| <i>Carried forward</i> ... | 428,348 00 | 7,213 19 | ... | 421,134 81 |
| <i>Carried forward</i> ... | 8,739,704 00 | 3,375,697 60 | 722,425 21 | 6,086,931 61 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

(a) Unestimated.

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward ...</i> | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward ...</i> | 8,739,704 00 | 3,375,697 60 | 722,925 21 | 6,086,931 61 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward ...</i> | 428,348 00 | 7,213 19 | ... | 421,134 81 |
| MALACCA— <i>Continued.</i> | | | | |
| Hospital, Durian Daun—Top and side light to Operating Theatre | 3,500 00 | ... | ... | 3,500 00 |
| Hospital, Durian Daun—Extension to clothing Store ... | 3,500 00 | 2,210 25 | ... | 1,289 75 |
| Hospital, Durian Daun—New Incinerator near Mortuary ... | 2,000 00 | ... | ... | 2,000 00 |
| Hospital, Durian Daun—Extending Eaves of roof to Nurses' Quarters | 750 00 | ... | ... | 750 00 |
| Hospital, Durian Daun—Install- ation of Electric light ... | 5,000 00 | 2,500 00 | ... | 2,500 00 |
| Hospital, Durian Daun—Quarters for staff and other special services including furniture ... | 75,400 00 | 2,001 12 | ... | 73,398 88 |
| Hospital, Jasin ... | 100,000 00 | 849 87 | ... | 99,150 13 |
| Laboratory for the Medical Depart- ment ... | 15,000 00 | ... | ... | 15,000 00 |
| Malacca River—Dredging Channel for reclamation ... | 17,000 00 | 20,138 01 | 3,138 01 | ... |
| Malacca River—Levelling and topping with red earth areas reclaimed at the mouth of ... | 3,000 00 | 2,113 88 | ... | 886 12 |
| Northern Reclamation—Godowns Sheds 1 and 2, including cranes, rails, fencing, etc. ... | 80,000 00 | ... | ... | 80,000 00 |
| Police Quarters for Sub-Inspector at Alor Gajah ... | 4,500 00 | 2,600 00 | ... | 1,900 00 |
| Police Station, Machap—Rebuilding barracks and kitchen ... | 9,000 00 | ... | ... | 9,000 00 |
| Police Station, Alor Gajah—Erec- tion of 3 additional barracks ... | 4,000 00 | 1,900 00 | ... | 2,100 00 |
| Police Station, Alor Gajah—New ... | 12,000 00 | ... | ... | 12,000 00 |
| Police Quarters for Inspector at Merlimau ... | 13,000 00 | 6,985 49 | ... | 6,014 51 |
| Police Quarters for 2nd Inspector, Malacca ... | 12,100 00 | ... | ... | 12,100 00 |
| Police Station, Jasin—3 additional Barracks including drains ... | 4,900 00 | 1,724 00 | ... | 3,176 00 |
| Police Station, Jelutong—Re- building, Police Barracks ... | 9,000 00 | ... | ... | 9,000 00 |
| <i>Carried forward ...</i> | 801,998 00 | 50,235 81 | 3,138 01 | 754,900 20 |
| <i>Carried forward ...</i> | 8,739,704 00 | 3,375,697 60 | 722,925 21 | 6,086,931 61 |
| <i>Carried forward ...</i> | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|---|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 8,739,704 00 | 3 375,697 60 | 722,925 21 | 6,086,931 61 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 801,998 00 | 50,235 81 | 3,138 01 | 754,900 20 |
| MALACCA— <i>Continued.</i> | | | | |
| Police Quarters for Inspector at Alor Gajah ... | 13,000 00 | ... | ... | 13,000 00 |
| Police Quarters for Inspector at Jasin ... | 13,000 00 | ... | ... | 13,000 00 |
| Post Office, Malacca—New Latrine for Superintendent and Staff ... | 1,500 00 | 275 00 | ... | 1,225 00 |
| Quarters for Forest Guard at Selandar—New ... | 3,500 00 | ... | ... | 3,500 00 |
| Quarters for Forest Guard at Merli- mau—New ... | 3,500 00 | 400 00 | ... | 3,100 00 |
| Quarters for Forest Guard at Sungei Udang—New ... | 3,500 00 | 500 00 | ... | 3,000 00 |
| Quarters for Forest Guard at Sempang Ampat—New ... | 3,500 00 | ... | ... | 3,500 00 |
| Quarters for Clerical Subordinate Service, Malacca—Four ... | 27,000 00 | ... | ... | 27,000 00 |
| Quarters for Clerical Subordinate Service at Alor Gajah—Three ... | 15,000 00 | 3,850 00 | ... | 11,150 00 |
| Quarters No. 16, Fort Terrace— Two dressing rooms and altera- tions to bath rooms and roof ... | 2,000 00 | ... | ... | 2,000 00 |
| Quarters for Forest Guard at Ramuan China ... | 3,500 00 | ... | ... | 3,500 00 |
| Quarters for Forester at Alor Gajah ... | 4,000 00 | ... | ... | 4,000 00 |
| Quarters for Clerks at Jasin ... | 4,500 00 | ... | ... | 4,500 00 |
| Quarters for an Assistant Engineer at Alor Gajah ... | 30,000 00 | 9,362 80 | ... | 20,637 20 |
| Quarantine Station for Animals ... | 10,000 00 | 21,302 91 | 11,302 91 | ... |
| School, High—New ... | 275,000 00 | ... | ... | 275,000 00 |
| Reclamation—Southern Rubble Wall for extension to ... | 3,300 00 | 3,288 19 | ... | 11 81 |
| School, Vernacular, Jasin—Quarters for teacher ... | 3,500 00 | 850 00 | ... | 2,650 00 |
| School, Vernacular, at Durian Daun including purchase of site ... | 9,500 00 | 2,877 85 | ... | 6,622 15 |
| Schools, Vernacular, at Chin-Chin Tangga Batu and Tanjong Bida- ra—Rebuilding of, in permanent materials including purchase of site ... | 22,750 00 | 150 00 | ... | 22,600 00 |
| <i>Carried forward</i> ... | 1,253,548 00 | 93,092 56 | 14,440 92 | 1,174,896 36 |
| <i>Carried forward</i> ... | 8,739,704 00 | 3,375,697 60 | 722,925 21 | 6,086,931 61 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|---------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 8,739,704 00 | 3,375,697 60 | 722,925 21 | 6,086,931 61 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| <i>Brought forward</i> ... | 1,253,548 00 | 93,092 56 | 14,440 92 | 1,174,896 36 |
| MALACCA— <i>Continued.</i> | | | | |
| Water Works, Malacca Town— Investigation in connection with proposed new supply ... | 4,500 00 | 947 12 | ... | 3,552 88 |
| Hospital, Durian Daun—Re- placing floors of Wards 8 and 9, with re-inforced concrete ... | 3,000 00 | 7,801 45 | 4,801 45 | ... |
| Police Station, Barracks and Outhouses at Tebong Village— Erection of ... | 16,000 00 | 10,040 00 | ... | 5,960 00 |
| Police Station, Batu Berendam —Rebuilding barracks at ... | 2,000 00 | 282 00 | ... | 1,718 00 |
| Police Station, Kandang—Rebuild- ing barracks at ... | 8,400 00 | ... | ... | 8,400 00 |
| Post Office, Sub, at Masjid Tanah and Postmen's Quarters—Erec- tion of ... | 5,000 00 | 1,004 00 | ... | 3,996 00 |
| Post Office, Sub, at Merlimau and Postmen's Quarters—Erection of ... | 10,000 00 | 3,670 00 | ... | 6,330 00 |
| Quarters for Officers—Erection of two sets of ... | 60,000 00 | 300 00 | ... | 59,700 00 |
| School, Vernacular, at Malaka Pinda, Nyalas, Klebang Besar and Bukit Rambei—Reconstruc- tion of ... | 8,000 00 | 8,000 00 | ... | ... |
| Post Office—Additions and altera- tions to ... | ... | a 3,973 08 | 3,973 08 | ... |
| Monopolies buildings Alterations to and furnishing ... | ... | a 3,068 45 | 3,068 45 | ... |
| Government Monopolies, Extra Storage accommodation for ... | ... | a 4,170 10 | 4,170 10 | ... |
| New dam at P. Sebang Alterations to Clearing the Kesang River—Colo- ny's Share of the cost of ... | ... | a 782 65 | 782 65 | ... |
| Public Works Department—Work- shop tools and plant for ... | ... | a 1,075 00 | 1,075 00 | ... |
| Proposed Sub-Post Office at Durian Tunggal—Alterations and addi- tions to existing building ... | ... | a 644 00 | 644 00 | ... |
| | ... | a 573 84 | 573 84 | ... |
| Total, Malacca ... | 1,370,448 00 | 139,424 25 | 33,529 49 | 1,264,553 24 |
| <i>Carried forward</i> ... | 10,110,152 00 | 3,515,121 85 | 756,454 70 | 7,351,484 85 |
| <i>Carried forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |

STRAITS SETTLEMENTS—DETAILED STATEMENT OF ESTIMATED
AND ACTUAL EXPENDITURE, 1921.

| HEADS AND SUB-HEADS OF EXPENDITURE. | ESTIMATED. | ACTUAL. | OVER THE ESTIMATE. | UNDER THE ESTIMATE. |
|--|---------------|-------------------|-----------------------|------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| <i>Brought forward</i> ... | 30,417,888 00 | 31,885,063 61 | 6,928,224 41 | 5,461,048 80 |
| 35.—PUBLIC WORKS, EXTRAORDINARY— <i>Continued.</i> | | | | |
| <i>Brought forward</i> ... | 10,110,152 00 | 3,515,121 85 | 756,454 70 | 7,351,484 85 |
| (B)—BUILDINGS AND MISCELLANEOUS WORKS— <i>Contd.</i> | | | | |
| LABUAN. | | | | |
| Government Jetty—New "T" end | 500 00 | 500 00 | ... | ... |
| Government Office—New roof and general repairs to ... | 2,500 00 | 2,497 64 | ... | 2 36 |
| Hospital—Water service for ... | 4,500 00 | 3,823 16 | ... | 676 84 |
| Quarters for Medical Officer ... | 10,000 00 | 9,995 71 | ... | 4 29 |
| Total, Labuan ... | 17,500 00 | 16,816 51 | ... | 683 49 |
| Total, Public Works Extraordinary ... | 10,127,652 00 | 3,531,938 36 | 756,454 70 | 7,352,168 34 |
| DIRECTOR OF SUPPLIES, S. S. AND F. M. S. | | | | |
| A—Personal Emoluments ... | ... | a 13,896 78 | 13,896 78 | ... |
| | ... | 13,896 78 | 13,896 78 | ... |
| Total, Director of Supplies, S. S. and F. M. S. ... | ... | 13,896 78 | 13,896 78 | ... |
| Grand Total ... | 40,545,540 00 | 35,430,898 75 | 7,698,575 89 | 12,813,217 14 |
| | | Deduct Excess ... | ... | 7,698,575 89 |
| | | Net Saving ... | ... | 5,114,641 25 |

(a) Unestimated.

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

STRAITS SETTLEMENTS.

(4)

STATEMENT

OF

**Expenditure in excess of the items specified in the Supply
Ordinance, No. 26 of 1920.**

STATEMENT OF EXPENDITURE IN EXCESS OF THE ITEMS SPECIFIED
IN THE SUPPLY ORDINANCE, No. 26 OF 1920.

| HEADS OF EXPENDITURE. | | | | | | | | AMOUNT. |
|--|-----|-----|-----|-----|-----|-----|-----|--------------|
| | | | | | | | | \$ c. |
| 2.—Pensions, Retired Allowances, Gratuities, etc. | ... | ... | ... | ... | ... | ... | ... | 40,039 21 |
| 3.—Charitable Allowances | ... | ... | ... | ... | ... | ... | ... | 917 30 |
| 6.—Colonial Secretary, Resident Councillors and Resident | ... | ... | ... | ... | ... | ... | ... | 20,325 92 |
| 7.—Government Printing Office | ... | ... | ... | ... | ... | ... | ... | 72,946 33 |
| 8.—Land and District Offices | ... | ... | ... | ... | ... | ... | ... | 23,114 08 |
| 9.—Forests | ... | ... | ... | ... | ... | ... | ... | 1,461 65 |
| 10.—Chinese and Indian Immigrants Protection | ... | ... | ... | ... | ... | ... | ... | 4,507 37 |
| 11.—Treasury | ... | ... | ... | ... | ... | ... | ... | 16,395 77 |
| 16.—Police | ... | ... | ... | ... | ... | ... | ... | 329,750 19 |
| 17.—Prisons | ... | ... | ... | ... | ... | ... | ... | 76,179 11 |
| 20.—Veterinary | ... | ... | ... | ... | ... | ... | ... | 1,505 62 |
| 22.—Ecclesiastical | ... | ... | ... | ... | ... | ... | ... | 514 24 |
| 23.—Transport | ... | ... | ... | ... | ... | ... | ... | 220,885 57 |
| 25.—Miscellaneous Services | ... | ... | ... | ... | ... | ... | ... | 5,037,796 94 |
| 27.—Government Monopolies | ... | ... | ... | ... | ... | ... | ... | 9,462 05 |
| 28.—Agricultural | ... | ... | ... | ... | ... | ... | ... | 17,637 61 |
| 30.—Raffles Museum and Library | ... | ... | ... | ... | ... | ... | ... | 1,194 97 |
| Director of Supplies, S.S. and F.M.S. | ... | ... | ... | ... | ... | ... | ... | 13,896 78 |
| Total | | | | | | | | 5,888,530 71 |

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S.S.

STRAITS SETTLEMENTS.

(5)

STATEMENT OF

ASSETS AND LIABILITIES,

ON THE

31st December, 1921.

1921.

STATEMENT OF ASSETS AND LIABILITIES ON THE 31ST DECEMBER, 1921.

524

| LIABILITIES. | | ASSETS. | |
|---------------------------------|------------------|---|---------------|
| | \$ c. | | \$ c. |
| Deposits :— | | Indian Agency Account | 374,999 39 |
| Court ... | 1,711,077 81 | Investments :— | |
| Bankruptcy | 841,522 50 | Colony | 17,449,108 44 |
| Insurance and Depreciation Fund | 459,199 89 | Bankruptcy | 386,946 00 |
| Destitute Seamen's Relief Fund | 416,476 55 | Insurance and Depreciation Fund | 70,000 00 |
| Gold Standard Reserve Fund | 6,342,410 00 | Destitute Seamen's Relief Fund | 222,974 39 |
| Police Reward Fund | 39,211 58 | Police Reward Fund | 27,117 39 |
| Miscellaneous | 5,469,900 25 | Other Investments | 2,415,827 68 |
| | 15,279,798 58 | | 20,571,973 85 |
| | | Advances | 783,497 14 |
| | | Imprests | 64,088 75 |
| | | Johore Foodstuffs Account | 8,558 25 |
| | | Loans :— | |
| Suspense | (a) 4,702,286 69 | Municipalities | 5,311,155 00 |
| Drafts and Remittances | 31,057 41 | Kelantan Government | 320,000 00 |
| | | Singapore Harbour Board | 3,242,957 85 |
| | | Penang Harbour Board | 612,642 83 |
| | | Ho Hong Steamship Co. | 300,000 00 |
| | | F. M. S. Government Advances at Call | 2,500,000 00 |
| | | F. M. S. Government Rice Account | 18,788,847 25 |
| | | F. M. S. Government Re-loan of S. S. 1921 Loan | 15,000,000 00 |
| | | Johore Government Re-loan of S. S. 1921 Loan | 800,000 00 |
| | | Municipality Singapore-Re-loan of S. S. 1921 Loan | 3,500,000 00 |
| | | Cash | 17,051,973 53 |
| | | | 89,230,693 34 |
| | | Total | |

* Detailed in Statement (6).

(a) Includes :—

Interest Currency Commissioners
Coin for Re-minting and Subsidiary Silver Coin

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

STRAITS SETTLEMENTS.

(6)

**STATEMENT OF THE COLONY'S
INVESTMENTS**

ON

31st December, 1921.

STATEMENT OF THE COLONY'S INVESTMENTS ON 31ST DECEMBER, 1921.

| Description of Stock. | Nominal Amount of Stock. | | | Actual Price Paid. | | Value on 31st December, 1921. | |
|--|--------------------------|-----|-----|--------------------|----|-------------------------------|----|
| | Rs. | a | p. | \$ | c. | \$ | c. |
| Govt. of India 5% Loan of 1929/47 ... | 6,600 | 0 | 0 | 5,059 | 64 | 3,278 | 00 |
| Do. 3½% of 1865 ... | 18,500 | 0 | 0 | 8,127 | 47 | 6,543 | 52 |
| Do. 3½% of 1842/43 ... | 900 | 0 | 0 | 412 | 37 | 318 | 33 |
| | 26,000 | 0 | 0 | 13,599 | 48 | 10,139 | 85 |
| | \$ | c. | | \$ | c. | \$ | c. |
| 5% Municipal Stock of 1889 ... | 63,130 | 00 | | 63,689 | 92 | 58,710 | 90 |
| Do. of 1902 ... | 38,500 | 00 | | 39,135 | 25 | 34,746 | 25 |
| 4½% Municipal Stock of 1907 ... | 168,450 | 00 | | 180,525 | 25 | 148,236 | 00 |
| Do. of 1909 ... | 371,000 | 00 | | 399,216 | 50 | 333,900 | 00 |
| 4% Municipal Stock of 1897 ... | 95,900 | 00 | | 95,900 | 00 | 79,597 | 00 |
| 4% Do. of 1913 (Penang) ... | 150,000 | 00 | | 150,000 | 00 | 124,500 | 00 |
| | 886,980 | 00 | | 928,466 | 92 | 779,690 | 15 |
| | \$ | c. | | \$ | c. | \$ | c. |
| Fixed Deposits ... | 13,348,000 | 00 | | 13,348,000 | 00 | 13,348,000 | 00 |
| | 13,348,000 | 00 | | 13,348,000 | 00 | 13,348,000 | 00 |
| | \$ | c. | | \$ | c. | \$ | c. |
| S. S. War Loan Bonds 5½ per cent ... | 271,200 | 00 | | 257,527 | 75 | 254,928 | 00 |
| Conversion Loan Bonds 5½ per cent ... | 900,000 | 00 | | 855,200 | 00 | 832,500 | 00 |
| Victory Loan Bonds 5 per cent ... | 375,000 | 00 | | 364,600 | 00 | 337,500 | 00 |
| | 1,546,200 | 00 | | 1,477,327 | 75 | 1,424,928 | 00 |
| | \$ | c. | | \$ | c. | \$ | c. |
| Crown Agents— | £ | s. | d. | \$ | c. | \$ | c. |
| Cash lent at interest and invested in Treasury Bills | 196,200 | 0 | 0 | 1,681,714 | 29 | 1,681,714 | 29 |
| | 196,200 | 0 | 0 | 1,681,714 | 29 | 1,681,714 | 29 |
| Total ... | | ... | ... | 17,449,108 | 44 | 17,244,472 | 29 |

(a) At Exchange Rupees 168½=\$100.

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

STRAITS SETTLEMENTS.

(7)

LOAN ACCOUNT.

STATEMENT OF ASSETS AND LIABILITIES
ON 31st DECEMBER,

1921.

LOAN ACCOUNT.

STATEMENT OF ASSETS AND LIABILITIES ON 31ST DECEMBER, 1921.

| LIABILITIES. | | \$ | c. | ASSETS. | | \$ | c. |
|---|-----|------------|----|--|-----|--------------|----|
| LOAN RAISED IN 1907:— | | | | SINGAPORE HARBOUR BOARD:— | | | |
| 3½ % S. S. Inscribed Stock (£4,163,352) ... | ... | 35,685,874 | 29 | Item 1. Payment of Award and Costs under the Tanjong Pagar Dock Ordinance 1905 ... | ... | 28,483,954 | 45 |
| | | | | " 2. Redemption of Outstanding Debentures of the Tanjong Pagar Dock Board ... | ... | 1,300,000 | 00 |
| | | | | " 3. Tanjong Pagar Construction Works:— | ... | | |
| | | | | (1) Main Wharf, Lagoon Dock and Graving Dock, including John Aird's claim of £325,000 ... | ... | 17,936,571 | 43 |
| LOAN RAISED IN 1910:— | | | | PENANG HARBOUR BOARD:— | | | |
| 3½ % S. S. Inscribed Stock (£2,750,000) ... | ... | 23,571,428 | 57 | Items 1 and 3. Prai Dock *—Purchase of and Improvements to and Re-construction of Wharves ... | ... | 460,895 | 18 |
| | | | | Item 6. Penang Pier Extension and General Harbour Improvements and Repayment of \$600,000 (£70,000) borrowed from the Federated Malay States on account of Penang Pier ... | ... | 1,633,079 | 32 |
| | | | | Item 4. Singapore Harbour Works ... | ... | 320,137 | 11 |
| | | | | MUNICIPALITIES:— | | | |
| | | | | Item 5. Singapore Municipal Water Works ... | ... | 4,484,460 | 00 |
| | | | | " 7. Penang Municipal Loan—Improvements of Water Supply and Other Works ... | ... | 1,250,000 | 00 |
| | | | | LOAN EXPENSES:— | | | |
| | | | | Discount on Issue price 1½% (1907 Loan) ... | ... | 428,571 43 | 6. |
| | | | | Do. 4½% (1910 ") ... | ... | 1,060,714 29 | |
| | | | | Underwriting Commission 1% (1907 ") ... | ... | 428,571 43 | |
| | | | | Do. (1910 ") ... | ... | 235,714 29 | |
| | | | | Brokers for arranging underwriting ¼% (1907 ") ... | ... | 107,142 86 | |
| | | | | Do. (1910 ") ... | ... | 58,928 57 | |
| | | | | Crown Agents' Commission at ¼% (1907 ") ... | ... | 214,285 71 | |
| | | | | Do. (1910 ") ... | ... | 117,857 14 | |
| | | | | Discount to Bond-holders (1907 ") ... | ... | 211,704 37 | |
| | | | | Do. Stock-holders (1910 ") ... | ... | 25,360 68 | |
| | | | | Composition Stamp Duty (1907 ") ... | ... | 223,039 29 | |
| | | | | Do. (1910 ") ... | ... | 147,321 43 | |
| | | | | Stamps, Telegrams, etc. (1907 ") ... | ... | 25,168 13 | |
| | | | | Do. (1910 ") ... | ... | 7,412 14 | |
| | | | | Loss on Exchange ... | ... | 20,042 68 | |
| | | | | Less interest received ... | ... | 3,311,834 44 | |
| | | | | | ... | 1,581,789 07 | |
| | | | | Cost of Conversion (1907 Loan) £193,452 ... | ... | 1,730,045 37 | |
| | | | | | ... | 1,958,160 00 | |
| Total ... | | 59,257,302 | 86 | Total ... | | 3,388,205 | 37 |
| | | | | | | 59,257,302 | 86 |

* Prai River Dock has been sold to and partly paid for by the Federated Malay States Government.

LOAN ACCOUNT.

STRAITS SETTLEMENTS 6 % LOAN, 1921.

Statement of Assets and Liabilities on the 31st December, 1921.

| Liabilities. | | | | Assets. | | | | | | | |
|--------------------------------|-----------|----|----|------------|----|---|------------|----|----|------------|----|
| | £ | s. | d. | \$ | c. | | £ | s. | d. | \$ | c. |
| Loan Raised in 1921— | | | | | | | | | | | |
| 6% S.S. Inscribed Stock ... | 2,957,524 | 0 | 0 | 25,350,205 | 71 | Cash transferred to F.M.S. Government ... | 2,838,000 | 0 | 0 | 24,325,714 | 29 |
| | | | | | | Loan Expenses ... | 96,506 | 18 | 1 | 827,202 | 03 |
| | | | | | | Balance in hand... | 23,017 | 1 | 11 | 197,289 | 39 |
| | | | | | | | <hr/> | | | | |
| | | | | | | | £2,957,524 | 0 | 0 | | |
| | | | | | | | <hr/> | | | | |
| | | | | 25,350,205 | 71 | | | | | 25,350,205 | 71 |

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

STRAITS SETTLEMENTS.

(8)

**STATEMENT OF
FUNDED PUBLIC DEBT.**

1921.

Statement of Funded Public Debt or Loans borrowed for fixed Periods outstanding on the 31st December, 1921, and of the Accumulated Sinking Funds at the same date.

| SINKING FUND. | | | | | | | | | | |
|--|---|---------------------|--|-------|-------------|-------|---------------|----------|----|---|
| Designation of Debt or Loan. | Legal Authority. | Amount Outstanding. | Amount of Stock. | | Cost Price. | | Market Value. | | | |
| | | | £ | s. d. | £ | s. d. | £ | s. d. | | |
| 3½% Straits Settlements Inscribed Stock 1937-67 | Straits Settlements Ordinance No. IV of 1907 | £ 6,913,352 | { | | | | | | | |
| | | | 4% British Honduras 1941/71 Stock £300.0.0 | | | | | | | |
| | | | 4% Ceylon 1939/59 Stock £435.6.3 | | | | | | | |
| | | | 3½% Ceylon 1934/59 Stock £805.3.6 | | | | | | | |
| | | | 6% Gold Coast 1945/70 Stock £1,096.7.5 | | | | | | | |
| | | | 4% Gold Coast 1939/59 Stock £500.0.0 | | | | | | | |
| | | | 3½% Gold Coast 1934/59 Stock £8,929.11.3 | | | | | | | |
| | | | 3% Gold Coast 1927/52 Stock £37,753.6.2 | | | | | | | |
| | | | 3% Jamaica 1922/44 Stock £5,205.1.1 | | | | | | | |
| | | | 6% Nigeria 1949/79 Stock £200.0.0 | | | | | | | |
| | | | 4% Sierra Leone 1938/63 Stock £3,384.9.6 | | | | | | | |
| | | | 3½% Sierra Leone 1929/54 Stock £11,500.0.0 | | | | | | | |
| | | | 3½% South Nigeria 1930/55 Stock £2,256.18.3 | | | | | | | |
| | | | 3% Trinidad 1922/44 Stock £16,200.0.0 | | | | | | | |
| | | | 4% Funding Loan 1960/90 Stock £132,312.10.0 | | | | | | | |
| | | | 5% National War Bonds (February) 1929 £36,800.0.0 | | | | | | | |
| | | | 5% War Loan 1929/47 Stock £74,575.9.7 | | | | | | | |
| | | | 6% Ceylon Stock £44,500.0.0 | | | | | | | |
| 6% Kenya Stock £41,071.0.11 | | | | | | | | | | |
| | | | 225 | 16 | 0 | (a) | 225 | 0 | 0 | |
| | | | 321 | 1 | 6 | | 304 | 14 | 5 | |
| | | | 552 | 3 | 0 | | 500 | 4 | 3 | |
| | | | 1,091 | 15 | 5 | | 1,096 | 7 | 5 | |
| | | | 341 | 6 | 0 | | 353 | 15 | 0 | |
| | | | 5,998 | 7 | 5 | | 5,514 | 0 | 1 | |
| | | | 22,228 | 8 | 7 | | 22,227 | 5 | 2 | |
| | | | 3,370 | 11 | 6 | | 2,953 | 17 | 4 | |
| | | | 201 | 19 | 0 | | 202 | 2 | 6 | |
| | | | 2,461 | 5 | 2 | | 2,369 | 2 | 8 | |
| | | | 7,734 | 5 | 0 | | 7,101 | 5 | 0 | |
| | | | 1,420 | 6 | 7 | | 1,399 | 5 | 9 | |
| | | | 10,490 | 2 | 0 | | 10,003 | 10 | 0 | |
| | | | 105,850 | 0 | 0 | | 101,012 | 6 | 6 | |
| | | | 36,800 | 0 | 0 | | 36,903 | 10 | 0 | |
| | | | 63,074 | 5 | 10 | | 68,725 | 19 | 4 | |
| | | | 42,365 | 2 | 6 | | 45,028 | 8 | 9 | |
| | | | 38,834 | 10 | 2 | | 40,044 | 5 | 5 | |
| | | | | | | | | £345,964 | 19 | 7 |

(a) Cost price less brokerage, no quotation available.

Statement of Funded Public Debt or Loans borrowed for fixed Periods outstanding on the 31st December, 1921—Continued.

| Designation of Debt or Loan. | Legal Authority. | Amount Outstanding. | REMARKS. |
|--|--|------------------------|---|
| 5½% Straits Settlements War Loan Bonds | War Loan Ordinance No. 6 of 1918 (a) | \$ 28,655,700 | (a) No Sinking Fund. Guaranteed by His Majesty's Government. (b) Lent to :— Federated Malay States Government ... \$15,000,000.00 Johore Government ... 800,000.00 Singapore Municipality ... 3,500,000.00 Penang Municipality ... 916,300.00 20,216,300.00 |
| 5½% Straits Settlements War Loan (Conversion Loan) Bonds | War Loan Ordinance No. 10 of 1919 (a) | 36,718,200 | |
| 5% Straits Settlements and Federated Malay States Victory Loan | Victory Loan Ordinance No. 1 of 1920 (a) | 15,074,300 | |
| 7% Straits Settlements Loan | Straits Settlements Ordinance No. 11 of 1921 | (b) 20,216,300 £ | (c) Lent to F.M.S. Government. (d) Subscriptions to 31-12-1921 |
| 6% Straits Settlements Inscribed Stock | Straits Settlements Ordinance No. 24 of 1921 | (c)(d) 2,957,524 | (e) Paid in January, 1922. |

THE TREASURY,
SINGAPORE, 11th May, 1922.

A. M. POUNTNEY,
Treasurer, S. S.

STRAITS SETTLEMENTS.

(9)

Savings Bank Transactions
during the Year 1921.

SINGAPORE, PENANG AND MALACCA,

AND

Statement of Assets and Liabilities.

GOVERNMENT SAVINGS BANK, STRAITS SETTLEMENTS.

Abstract of Receipts and Payments for the Year 1921.

| Receipts. | Singapore. | Penang. | Malacca. | Labuan. | Total. | Payments. | Singapore. | Penang. | Malacca. | Labuan. | Total. |
|--|--------------|------------|-----------|-----------|--------------|-------------------------------|------------------|------------|-----------|-----------|--------------|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Balance on 31st Dec., 1920 | 39,136 17 | 4,855 94 | 1,479 19 | 1,530 21 | 47,001 51 | Withdrawal in 1921 | ... 1,226,825 24 | 273,672 60 | 83,207 10 | 9,797 76 | 1,593,502 70 |
| Deposits in 1921 | 1,203,267 56 | 269,028 39 | 79,974 16 | 10,960 92 | 1,557,231 03 | Expenses of Management ... | 1,052 19 | ... | ... | ... | 1,052 19 |
| Accrued Interest on Accounts Transferred | 97 69 | 88 14 | 57 35 | 4 23 | 247 41 | Remittance to Singapore ... | ... | 44,000 00 | 8,000 00 | ... | 52,000 00 |
| Interest received in 1921... | 89,038 96 | 57 47 | 38 41 | ... | 89,134 84 | " " Penang ... | 58,000 00 | ... | ... | ... | 58,000 00 |
| Remittance from Singapore | ... | 58,000 00 | 15,000 00 | ... | 73,000 00 | " " Malacca ... | 15,000 00 | ... | ... | ... | 15,000 00 |
| Remittance from Penang | 44,000 00 | ... | ... | ... | 44,000 00 | Investment on Fixed Deposits | 45,000 00 | ... | ... | ... | 45,000 00 |
| " " Malacca | 8,000 00 | ... | ... | ... | 8,000 00 | Repayment of Loan to Treasury | 110,000 00 | ... | ... | ... | 110,000 00 |
| Municipal Debentures redeemed | 1,800 00 | ... | ... | ... | 1,800 00 | | ... | ... | ... | ... | ... |
| Sale of Duplicate Pass Books | 28 50 | 6 50 | 2 00 | ... | 37 00 | | ... | ... | ... | ... | ... |
| Excess found in Shroff's Account | 40 03 | ... | ... | ... | 40 03 | | ... | ... | ... | ... | ... |
| Loan from Treasury | 110,000 00 | ... | ... | ... | 110,000 00 | Balance | ... | 8,363 84 | 5,344 01 | 2,697 60 | 55,936 93 |
| | 1,495,408 91 | 326,036 44 | 96,551 11 | 12,495 36 | 1,930,491 82 | | 1,495,408 91 | 326,036 44 | 96,551 11 | 12,495 36 | 1,930,491 82 |

Statement of Assets and Liabilities on 31st December, 1921.

| Liabilities. | Amount. | Assets. | Amount. | |
|--|--------------|--|-----------|--------------|
| | | | \$ | £ |
| Total amount including Interest due to Depositors :— | | Value of Securities calculated at the latest available market rates | | 1,526,063 65 |
| | | <i>Estimated Interest due to 31st December, 1921.</i> | | |
| | \$ | (a) Crown Agents Investments | 4,881 32 | |
| Singapore ... | 1,353,232 95 | (b) Indian War Loan 5% 1929-1947 ... | 7,749 22 | |
| Penang ... | 329,442 58 | (c) S. S. War Loan Bonds 5½% (Conversion) ... | 2,333 38 | |
| Malacca ... | 79,552 14 | (d) S. S. War Loan Bonds 5½% ... | 6,531 51 | |
| Labuan ... | 9,982 93 | (e) S. S. and F. M. S. Victory Bonds ... | 5,500 00 | |
| | 1,772,210 60 | (f) Municipal Debentures ... | 2,236 25 | |
| Expenses of Management | 14,900 00 | (g) Fixed Deposits ... | 438 88 | 29,670 56 |
| | | Cash—Current Balances in Banks :— | | |
| | | Singapore ... | 39,531 48 | |
| | | Penang ... | 8,363 84 | |
| | | Malacca ... | 5,344 01 | |
| | | Labuan ... | 2,697 60 | 55,936 93 |
| | | Balance at debit of the Savings Bank on 31st December, 1921 ... | ... | 175,439 46 |
| | 1,787,110 60 | | | 1,787,110 60 |

The Straits Settlements Medical Report for the year 1921.

HEALTH AND POPULATION.

1. The following table gives the estimated mean population for 1920, and the population for 1921 ascertained by the decennial census taken in April, 1921:—

| SETTLEMENT. | POPULATION. | | Births No. | | Deaths No. | | Birth Ratio per mille. | | Death Ratio per mille. | |
|--------------------|--------------------------|------------------|------------|--------|------------|--------|------------------------|-------|------------------------|-------|
| | Estima- ted. 1920. | Census, 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| Singapore ... | 391,311 | 417,859 | 10,803 | 12,315 | 13,851 | 14,111 | 27'61 | 29'47 | 35'40 | 33'30 |
| Labuan ... | 6,970 | 5,909 | 206 | 203 | 152 | 199 | 29'55 | 34'35 | 21'80 | 33'67 |
| Penang ... | 154,086 | 162,310 | 4,553 | 5,193 | 5,439 | 5,126 | 29'55 | 32'00 | 35'30 | 31'58 |
| Province Wellesley | 142,710 | 130,335 | 4,391 | 4,624 | 3,928 | 3,730 | 30'77 | 35'48 | 27'52 | 28'61 |
| Dindings ... | 12,712 | 11,927 | 355 | 333 | 442 | 366 | 27'14 | 27'92 | 34'77 | 30'69 |
| Malacca ... | 157,069 | 153,599 | 5,315 | 6,104 | 4,898 | 4,468 | 33'84 | 39'73 | 31'18 | 29'09 |
| Total ... | 864,858 | 881,939 | 25,623 | 28,772 | 28,710 | 28,000 | 29'63 | 32'62 | 33'20 | 31'54 |

The figures for the European population are:—

| — | POPULATION. | | Births No. | | Deaths No. | | Birth Ratio per mille. | | Death Ratio per mille. | |
|----------------------|------------------------------|------------------|------------|-------|------------|-------|------------------------|-------|------------------------|-------|
| | Estima- ted mean 1920. | Census, 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. | 1920. | 1921. |
| Straits Settlements. | 9,151 | 8,045 | 209 | 259 | 114 | 73 | 22'84 | 32'19 | 12'46 | 9'05 |

2. The total immigrants from China were in:—

| | | | | | | |
|----------|-----|-----|-----|-----|-----|---------|
| 1917 ... | ... | ... | ... | ... | ... | 155,167 |
| 1918 ... | ... | ... | ... | ... | ... | 58,421 |
| 1919 ... | ... | ... | ... | ... | ... | 70,912 |
| 1920 ... | ... | ... | ... | ... | ... | 126,077 |
| 1921 ... | ... | ... | ... | ... | ... | 191,043 |

Births.

3. The births registered during the year numbered 28,772 as compared with 25,623 in 1920. The ratio per mille was 32'62 against 29'63 in 1920 and 30'29 in 1919, and is the highest ratio registered since the Registration Law (1897) came into force.

Deaths.

4. The deaths from all causes registered in 1921 were 28,000 as against 28,710 in 1920 and 27,957 in 1919. This corresponds to a ratio per mille of 31'54, a decrease compared with 33'20 in 1920 and 33'04 in 1919. The average death-rate for the last 10 years is 34'65 per mille.

The lowest death-rates in the last 10 years were 29·15 in 1915 and 30·70 in 1916: the decrease in mortality in those years was largely due to a war-time measure, the repatriation of thousands of decrepit Chinese to their native land; the highest death-rate in the past 10 years was 43·85 per thousand in 1918 when the Influenza epidemic struck the country.

Infantile Mortality.

5. The infantile mortality gives a ratio of 179·23 per mille as against 194·86 per mille in 1920 and 212·42 per mille in 1919—these figures exclude all children born elsewhere than in the Colony; the highest ratio of infantile mortality, 208·30, was among Indians, the Eurasians coming next with 191·25 per mille.

European Officers.

6. Table showing the sick, invaliding and deaths of European Officials of all ranks:—

| | 1920. | 1921. |
|---|-------|-------|
| (1) Total number of officials on the Establishment | 444 | 481 |
| (2) Average number resident in the Colony | 351 | 395 |
| (3) Total number on sick list | 350 | 386 |
| (4) Total number of days on sick list | 3,031 | 2,728 |
| (5) Total number invalided | 7 | 11 |
| (6) Total deaths | 3 | 4 |
| (7) Total deaths in the Colony | 3 | 2 |
| (8) Average daily number on the sick list ... | 96 | 105 |
| (9) Average number of days on the sick list | 8·65 | 7·07 |
| (10) Percentage of deaths to average number resident | 83 | 105 |

Zymotic Diseases.

7. The following table gives the number of cases of Zymotic Diseases occurring in the Colony during 1920 and 1921, excluding imported cases:—

| SETTLEMENT. | PLAGUE. | | | | CHOLERA. | | | | SMALL-POX. | | | | CEREBRO-SPINAL MENINGITIS. | | | |
|------------------------|---------|---------|--------|---------|----------|---------|--------|---------|------------|---------|--------|---------|----------------------------|---------|--------|---------|
| | 1920. | | 1921. | | 1920. | | 1921. | | 1920. | | 1921. | | 1920. | | 1921. | |
| | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Singapore ... | 61 | 55 | 27 | 27 | 34 | 33 | 2 | 1 | 5 | 3 | 147 | 34 | 28 | 21 | 70 | 38 |
| Penang ... | .. | .. | .. | .. | .. | .. | .. | .. | 34 | 22 | 3 | 2 | .. | .. | 13 | 13 |
| Province Wellesley ... | .. | .. | .. | .. | 3 | .. | 4 | 3 | 6 | 1 | 4 | .. | .. | .. | 3 | 3 |
| Malacca ... | .. | .. | .. | .. | 21 | 4 | .. | .. | .. | .. | 1 | 1 | 1 | 1 | .. | .. |
| Labuan ... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Dindings ... | .. | .. | .. | .. | .. | .. | .. | .. | 60 | 17 | .. | .. | .. | .. | .. | .. |
| Total ... | 61 | 55 | 28 | 27 | 58 | 37 | 6 | 4 | 105 | 43 | 155 | 37 | 29 | 22 | 86 | 54 |

Vaccination.

8. During the year there were 64,168 vaccinations. Of these 43,672 were successful, 2,536 modified, 3,089 failed and 14,871 were not seen. Most of the "not seen" were in the Rural parts of Malacca. Twenty-nine thousand seven hundred and sixty-two of the vaccinations were performed in Singapore where there were 20 cases of Small-pox between May and end of August, 17 cases in September, 55 cases in October, 26 cases in November and 29 in December.

Diphtheria.

9. The number of deaths from Diphtheria was 13 compared with 25 in 1920. Thirteen cases were treated in hospitals. Only 2 of these ended fatally.

Enteric Fever.

10. Enteric Fever was responsible for 117 deaths, the number for 1920 being 103. The number of cases of Enteric Fever treated in the hospitals was 174 with 86 deaths as against 167 cases and 61 deaths in 1920.

Beri-beri.

11. Beri-beri accounted for 1,299 deaths compared with 1,025 deaths in 1920. In 1919 the number was 1,430: of the total cases treated in hospitals, viz., 684, 184 ended fatally. The fall in 1920 coincided with an increased use of parboiled or undermilled rice, supplemented by other articles of diet.

The highly polished Siam rice is now again freely obtainable, and is used as the staple article of diet amongst the poorer classes of Chinese. It is therefore to be anticipated that the Beri-beri death-rate will further increase.

Pneumonia and Influenza.

12. The mortality from these two diseases, which has been high since the Influenza pandemic of 1918, shows a decrease.

Deaths registered as due to Pneumonia were 1,704, and Influenza 265, as against 1,966 and 362 respectively in the previous year.

Many of the pneumonia cases develop from an attack of Influenza.

A number of deaths really due to Influenza are doubtless included under the heading fever not specified.

Venereal Diseases.

13. Six thousand seven hundred and eighty-one cases were treated in the Straits Settlements Government Hospitals and Dispensaries of whom 4,319 were inpatients.

| | <i>Singapore.</i> | <i>Malacca,</i> | <i>Penang and Province Wellesley.</i> | <i>Totals.</i> |
|---|-------------------|-----------------|---|----------------|
| Syphilis ... | 2,096 | 277 | 2,345 | 4,718 |
| Gonorrhœa ... | 782 | 100 | 476 | 1,358 |
| Chancroid, etc., ... | 347 | 28 | 320 | 705 |
| Total | | | | 6,781 |
| Intravenous injections of organic arsenical preparations for syphilis ... | 5,362 | 931 | 3,852 | 10,145 |

In syphilis over 5,000 mercurial injections were also administered.

In Gonorrhœa both lavage and ordinary intraurethral injections were used locally: more than seven hundred subcutaneous injections of Gonorrheal phylacogen were given in suitable cases.

Out-Door Treatment.—(a) A free part time antivenereal clinic especially for seamen was opened at Tanjong Pagar on 1st July, 1921.

Since that date printed notices inviting seamen with venereal disease to attend this dispensary have been distributed to every incoming ship. (It is reported however that Captains seldom circulate these notices amongst their crews).

Venereal case cards are given to seamen treated to be retained and shown to Medical Officers in charge of Anti-Venereal Clinics at other ports.

The Tanjong Pagar Clinic was until the end of the year in charge of a Royal Army Medical Corps Officer, who has since been relieved by a medical officer of our own Service.

The attendances for the half year, only 304, were disappointing.

I am not in favour of having any other special out-door dispensaries for sufferers from Venereal Diseases, but advocate their treatment in separate rooms at our ordinary dispensaries. There is both a saving in cost and an absence of the stigma attached to patients who attend a dispensary labelled "Venereal."

(b) Women and children are attended by the Lady Medical Officer at the Out-door Dispensary, Kandang Kerbau.

(c) Alterations are in progress at the North Canal Road Out-door Dispensary to provide facilities for giving modern treatment there.

(d) Two dispensaries are being erected in rural areas on Singapore Island: in both of them there will be separate accommodation for treating patients with Venereal Diseases.

(e) A few out-patients are treated at the General and Tan Tock Seng Hospitals.

Treatment.—As regards treatment of Syphilis the hope of cure by one or two courses of intensive arsenical treatment has not been realised. Most patients stop treatment when the outward and visible signs of the disease disappear. This is not peculiar to the Far East: it is on record that only 11 per cent of those attending venereal wards and dispensaries at home complete the prescribed courses. The use of mercury too has been greatly neglected since the discovery of 606 and its allies: late neurosyphilis has in consequence become far commoner.

Mercury should be given an equal place in the treatment of Syphilis, and organic arsenical preparations used in moderate doses: otherwise there is a danger of death from arsenical poisoning or from acute syphilitic toxæmia.

During the war when Salvarsan was difficult to obtain, Mr. R. L. SPITTEL, F.R.C.S., Surgeon, General Hospital, Colombo, devised a modification of Donovan's Solution of arsenious and mercuric iodides as an intravenous injection in syphilis.

I made use of Mr. SPITTEL's formula with success in Kedah hospitals during the same period, and have experimented with it largely in our hospitals in the year under review.

As regards its arsenical content the solution is by no means equal in effect to the Salvarsan group, but as a vehicle for the administration of mercury and the iodides it seems unrivalled.

Reports from medical officers vary, but there is agreement that in many cases it rapidly removes all outward signs of the disease. When this occurs the patients usually stop treatment, just as he does if treated with Salvarsan.

Amongst the advantages of this solution are, its low cost, less than half-a-cent per dose against two-and-a-half dollars per dose of Salvarsan (it seems hardly worth while using the latter on a cooly who may never take a second dose) and the fact that arsenic, mercury and potassium iodides are all administered simultaneously.

Mr. R. L. SPITTEL himself has favoured me with his views. He is still of opinion that for the administration of Mercury and Iodides the intravenous route is greatly superior to any other method of administration in vogue, but that the arsenic may now be omitted from his formula which then contains mercuric and potassium iodides, its use is to be combined with a course of Salvarsan or other organic arsenical preparation.

Visit of Commissioners.—The Commissioners of the National Society for combating venereal diseases (Mrs. ROLFE and Dr. HALLAM) visited Singapore from January 17th to 27th: Government voted \$5,000 for their expenses.

They held a number of meetings and conferences, showed propaganda films and visited the various Medical Institutions. They later, through their Society, submitted a report and recommendations to the Colonial Office.

The Medical Department is in full sympathy with the Commissioners' plans for free and extended diagnosis and treatment of venereal disease by Government Medical Officers.

As regards their proposals for counter-attractions, while these can be provided for Europeans and educated natives, ninety per cent of our population is outside both facilities for recreation and moral suasion.

Prevention of the spread of venereal diseases.—There is the clearest medical evidence that this can be effected by immediate self-disinfection after exposure to infection.

Instant washing in soap and water is usually sufficient. Prevention is better than cure, and cure is notoriously impossible in many cases of venereal diseases.

It has been aptly remarked that to rely on hospitals and dispensaries alone is like building vast numbers of Small-pox hospitals and neglecting vaccination.

The education of the public will in time effect a diminution in venereal diseases, which can never be brought about by treatment of the already infected.

Phthisis and Tuberculosis.

14. The total deaths registered from Phthisis and Tuberculosis were 3,258 against 3,336 in 1920, and 3,112 in 1919. 1,500 cases were treated in hospitals with 717 deaths . . .

Dysentery.

15. Dysentery accounted for 1,090 deaths as against 1,085 and 1,209 in 1920 and 1919 respectively. Of the cases treated in hospitals, which totalled 1,452, 490 ended fatally, against 1,451 cases with 462 deaths in 1920.

Malaria.

16. Malaria was responsible for 4,713 deaths compared with 4,690 deaths in 1920, and 4,843 deaths in 1919. The corresponding figures for "Fevers not specified" were 2,281, 3,165 and 2,132. Malarial admissions to the hospitals were 7,681 with 567 deaths, compared with 7,539 cases and 548 deaths in 1920.

Ankylostomiasis.

17. The total numbers of Ankylostomiasis cases treated and of deaths therefrom in the hospitals of the Colony for the last 5 years are:—

| Year. | | | <i>Remained from pre- vious year.</i> | <i>Admitted during the year.</i> | <i>Total treated.</i> | <i>Deaths.</i> |
|-------|-----|-----|---|--|---------------------------|----------------|
| — | | | — | — | — | — |
| 1917 | ... | ... | 83 | 1,443 | 1,526 | 268 |
| 1918 | ... | ... | 122 | 1,592 | 1,714 | 385 |
| 1919 | ... | ... | 78 | 1,110 | 1,188 | 241 |
| 1920 | ... | ... | 69 | 1,432 | 1,504 | 312 |
| 1921 | ... | ... | 100 | 1,844 | 1,944 | 278 |

Treatment:—The following routine treatment was adopted by Dr. TULL in the District Hospital, Penang, from August, 1921, and is now being used in other hospitals.

No food after 4 p.m. on the day preceding treatment, but water *ad lib*, and one ounce of Magnesium Sulphate at 8 p.m. Next morning at 7 o'clock

a single dose of 2 c.c. of oil of *Chenopodium* in capsule followed in 2 hours by one ounce of Magnesium Sulphate.

The patient is urged to lie quietly, preferably on his right side, and to sip hot water after taking the *Chenopodium*. No solid food is given on the day of treatment. Should collapse occur, it is met by injecting one half c.c. of pituitrin intramuscularly.

Stools are collected and washed in a fine meshed sieve, which entangle the worms: these are placed on a black photographic tray and counted.

The daily washing of the stools of each patient is continued until two negative results are obtained—usually about the 4th or 5th day. As soon as two negative results are obtained the stools are examined for ova of *ankylostoma*. If ova are present, the *Chenopodium* treatment is repeated on the 10th day after the first treatment.

If ova are not present, the patient is transferred to another ward (for convenience sake) and in a few days his stools are again examined for ova. As most of the patients who suffer from *Ankylostomiasis* usually have one or more concurrent diseases, it is not a waste of time to keep them for a few days.

Of 179 patients treated in this ward from August to December, 1921 only 10 required a second course of treatment, three required a third course, and only one required a fourth course.

The following figures show the results obtained:—

| | | | | |
|---|-----------------|------------------------|-----|---------|
| Number of patients treated | ... | ... | ... | 179 |
| Of these there were Chinese | ... | ... | ... | 91 |
| „ „ Tamils | ... | ... | ... | 82 |
| „ „ Malays | ... | ... | ... | 6 |
| Number discharged as cured showing no ova of | | | | |
| <i>Ankylostoma</i> in stools | ... | ... | ... | 101 |
| Number absconding before completion of treatment | ... | | | 77 |
| Number died | ... | ... | ... | 1 |
| Total number of days spent by the 179 patients in | | | | |
| the ward | ... | ... | ... | 1,516 |
| Average stay in hospital | ... | ... | ... | 8 days. |
| Hæmoglobin estimation: | 30% and under | 34 patients. | | |
| „ „ | 35% - 50% | and under 64 patients. | | |
| „ „ | 55% - 65% | and under 66 patients. | | |
| „ „ | 70% and upwards | 15 patients. | | |

Even during the short stay in Hospital 52 cases showed marked improvement in their hæmoglobin percentage, an average of 13 per cent. In 5 patients the hæmoglobin diminished in spite of treatment.

Number of worms expelled.—In spite of all possible precautions it is not nearly always possible to recover all stools, for the patients will use the latrine preferably to a chamber pot, so that the count of worms is sure to be low. But 4,439 worms were recovered, an average of 25 per patient. The largest number of worms recovered from any one patient was 465, of which 426 were passed during the first 24 hours after the administration of *Chenopodium*.

This record is from the notes of Mr. D. C. RICHARDS, Assistant Surgeon, Penang.

Ulcers.

18. Four thousand one hundred and sixty-nine cases or nearly 10 per cent of all admissions were under the heading "Ulcers".

During the last five months of the year treatment of chronic ulcers by the intravenous injection of 1 c.c. rising to 5 c.c. of a 2 per cent solution of Tartar Emetic was tried in Tan Tock Seng Hospital by Dr. V. B. KYLE.

Definite and often severe pain in the ulcerated area was commonly complained of after the first injection. After the third, fourth or fifth injection surprising improvement was often shown. Sloughs disappeared and ulcers assumed a bright scarlet colour. When this stage was reached it was usually found advisable to stop the injections otherwise the ulcers tended to revert to their former unhealthy condition, and a dysenteric type of diarrhoea sometimes ensued.

Having arrived at a healthy stage ulcers were found to heal well and rapidly under routine local applications. In all 149 patients received this treatment, of whom 68 were discharged with soundly healed ulcers and 23 left before treatment was completed; 11 did not benefit; 9 died of concurrent diseases, and the remainder were still under treatment.

19.—TREATMENT OF LEPROSY IN THE STRAITS SETTLEMENTS.

I.

Record of cases Treated in Singapore in 1921.

(1) In February, 1921, regular courses of intravenous injections of 3 per cent Sodium Hydncarpate Solution were started in the Female Leper Camp, Singapore. The initial dose was 1 c.c. twice weekly, increasing by $\frac{1}{2}$ c.c. weekly, until a maximum dose of 5 c.c. was attained.

In some cases slight fever with rigors, nausea, and pain in bones and joints occurred. This was met by discontinuing the injections for a couple of weeks, and then resuming with smaller doses.

The average first course lasted 3 months: after an interval of 2 or 3 weeks, a further course was started beginning with an initial dose of $2\frac{1}{2}$ c.c. once weekly and increasing by $\frac{1}{2}$ c.c. weekly to a dose of 5 c.c. once weekly, which was maintained for a month. Similar courses followed after suitable intervals.

In some cases the thickening of the veins and tissues surrounding the punctures rendered it necessary after a time to substitute intramuscular for intravenous injections.

(2) From June, 1921, in cases where ulceration was a marked feature, a course of tartar emetic was given before the sodium hydncarpate course. A 2 per cent solution of tartar emetic was injected intravenously twice weekly beginning with 2 c.c. and increasing by 1 c.c. each succeeding week to a maximum of 5 c.c.

Under this treatment ulcers healed well and rapidly except in every extensive and long-standing cases. As healing progressed the sodium hydncarpate course was started.

(3) During the last 2 months of the year Muir's E. C. C. O. in doses of from $\frac{1}{4}$ c.c. to 2 c.c. was tried on 2 cases.

One advantage of this preparation is that it can be given intramuscularly or subcutaneously without the pain experienced when sodium hydncarpate is so used.

During the same period we also tried samples of a colloidal preparation of Antimony, Oscol Stibium, in ulcerative cases: it is non-irritating and less toxic than the 2 per cent solution of tartar emetic.

(4) *Results.*—In all over 2,000 intravenous injections were administered during the year.

The first effect of treatment is sometimes to intensify existing lesions or to produce new ones, but improvements usually appear when treatment is continued.

Cases of early leprosy respond better to treatment than those of old-standing. The Tubercular type improves rapidly, while the mixed type is most resistive. The maculo-anaesthetic type is intermediate. An increase of muscular power, disappearance of anaesthesia and healing of ulcers are favourable signs.

In the tubercular type of cases the nodules either slowly subside or break out into ulcers and then gradually heal. In milder cases there is a steady shrinkage of the raised patches and diminution in thickening of ears, etc.

Forty-two female patients remained at the end of 1921. Of these 7 showed very marked improvement, one being apparently cured.

Twenty-one showed definite improvement—14 remained *in status quo*. Of these 14, 4 did not receive the treatment, while 3 had only newly entered.

(5) Treatment on the same lines was carried out at the male leper camp, Singapore, which is only a collecting station, as the inmates are transferred to Pulau Jerejak Male Leper Asylum, Penang. Seventy-eight lepers were in this camp for varying periods during the year; most of them improved even though their stay was short.

In the case of one, an Eurasian named Scott, who was permitted to remain in Singapore, marked improvement occurred.

(6) The variations in treatment in Singapore have been planned by Dr. V. B. KYLE, and carried out under his supervision by Assistant Surgeon JIT SENG, who has given most of the injections and has kept the notes of the cases.

We are indebted to both these officers for their care and their accurate observations on the effects of the various preparations and dosages used. The administration of Tartar Emetic in ulcerative cases started in Singapore is being introduced into the Penang Male Leper Asylum. E. C. C. O. MUTR's is also being extensively tried.

Illustrative Cases.

(7) The following are taken from Mr. JIT HENG's notes:—

(i) THOMAS FRANCIS SCOTT—Eurasian male, age 33, admitted into the male leper camp on 23rd January, 1918. The bacilli lepra were demonstrated in smears taken from the patient when he was admitted. Before he underwent the systematic line of treatment, introduced from February, 1921, the patient showed the characteristics of the tubercular type of leprosy, his face and ears being closely covered with prominent nodules. The skin over the palms of the hands was pink and tightly stretched, but over the dorsum, it was greatly thickened. The face, ears and hands appeared very big and sensation on the hands was impaired. The feet were oedematous and very big. On the sole of the right foot and in the furrow between the fourth and small toes of the left foot, there were two deeply excavating ulcers. The patient passed through his first course of injections without any marked improvement resulting. Sodium Hydnocarpate alone was used at this time, and after the first course the patient's ulcers were still as indolent as before but less septic. The nodules on the face and ears appeared more prominent and deeper in colour. When tartar emetic was introduced in June, 1921, the patient was put under a course of treatment with this drug. Commencing doses produced no immediate reaction, but when the dosage had reached 5 c.c. reaction was evident by the presence of transient giddiness with nausea and diarrhoea. Treatment was then suspended for two weeks. Meanwhile

the condition of the patient's ulcers improved: they got cleaner and smaller, so that finally, after he had received 10 injections of Tartar Emetic, it was deemed advisable to put him under another course of Sodium Hydnocarpate. The skin lesions of the patient were then seen to improve. The dark brown colour of the nodules faded away while the nodules themselves slowly subsided. In all, the patient has received up to the present date, 10 intravenous injections of Tartar Emetic with 9 subcutaneous and 39 intravenous injections of Sodium Hydnocarpate. The bacilli lepra are present in smears; still he has improved greatly. The nodules on his face and ears have subsided, leaving behind slight elevation and thickening of the skin on these areas. Sensation has fully returned to both hands, and the elephantine nature of the hands and feet is less marked. The ulcer on the sole of the right foot is still present, but is dry, clean and very small, while that in the furrow between the fourth and small toes of the left foot has completely healed up.

(ii) CHUA CHYE HOE, Chinese Teochew boy, aged 6, admitted 8th April, 1921; mother also an inmate in the camp. The boy's condition on admission was as follows:—Pinkish nodules present on the face especially over the malar. Three big whitish looking anaesthetic areas surrounded by zones of thickened pinkish skin on the buttocks. A few pinkish nodular patches on back of thighs and buttocks, while both feet below the ankles presented macular anaesthetic patches. The boy was given $\frac{1}{2}$ c.c. of Sodium Hydnocarpate solution, bi-weekly during the first course, increasing by $\frac{1}{2}$ c.c. weekly. In subsequent courses, he received the same doses as the adults got, and he developed no ill effects. Local reaction in the form of greater prominence and deeper colour of the nodules on the face and limbs was present as in other cases and he improved similarly. At the end of June, 1921, 20 injections of Sodium Hydnocarpate had been administered and even in this short space of time, improvement was indicated in the return of sensation to the three big zones of depigmented anaesthetic areas on the buttocks. In all, up to the present date, this patient had received 45 injections of Sodium Hydnocarpate, administered intravenously at first but subcutaneously later: good results are evident in the patient's present condition. No more thickening or nodules on the face, but a faint pinkish tinge remains over the malar bones. Anaesthesia has been fully banished from all previously affected areas, although the buttocks still present the depigmented areas, which are however less distinct and cannot be differentiated into definite zones. No bacilli lepra in smears taken recently.

(iii) CHEY YENG, Chinese (Cantonese) female, age 22, admitted 23rd May, 1921. No family history of leprosy. This case, typically tubercular in type, has shown very fast and marked improvement. The bacilli lepra were demonstrated on admission. *Condition*: the whole body, face and limbs were covered with thick, reddish, prominent nodules, while pinkish anaesthetic patches were scattered here and there. Up to the present date she has received 38 injections of Sodium Hydnocarpate, all given intravenously. At the end of her first course of treatment, in August, 1921, she showed practically no improvement, but rather, the skin lesions appeared to be more intensified, due to the onset of the local reaction caused by the drug. In the early days of her stay in the camp, the patient was very sickly so that I had to omit giving her injections frequently and to attend to her concurrent complaints. But as the injections progressed, she improved in strength, so that in the second and subsequent courses she was able to receive her treatment quite regularly without experiencing any ill effects. At present, all nodules have entirely disappeared from her body, leaving behind a smooth skin with pinkish patches faintly visible here and there and spots of a darker colour on the lower limbs and buttocks on the sites of the old nodules. On the back of the trunk are seen many round but small depigmented areas, which are, however, quite sensitive. There are no anaesthetic areas. The bacilli lepra were, however, still found in smears taken from the lobule of the patient's left ear recently.

II.

Record of cases treated in the Male Leper Asylum, Pulau Jerejak, Penang, 1921.

(This Asylum contains an average of 450 male lepers.)

(1) During the years 1918 and 1919, seven men and during the year 1920 thirty were treated with injections of sodium gynocardate, mostly subcutaneous. About one half showed slight improvement. Gynocardate oil, unlike hydnocarpate, is however not a true Chaulmoogric oil, and the use of sodium gynocardate was abandoned as unsatisfactory.

(2) In January, 1921 an attempt was made to induce all lepers who were not in a hopeless condition to undergo systematic intravenous treatment with either sodium hydnocarpate, sodium morrhuate, or sodium soyate. Oral administration was combined with injections: where the intravenous route was impossible intramuscular injections were used.

(3) One hundred and forty-six lepers were under treatment at the end of the year. In 3 of these the lepra bacilli could no longer be found, and all lesions had disappeared, while 40 others seem to be on the road to recovery.

(4) Details of treatment and illustrative cases furnished by Mr. A. H. WHEATLEY, resident assistant surgeon at Pulau Jerejak Leper Asylum, are added. Mr. WHEATLEY deserves much credit for his work.

The treatment has been carried out entirely by him: he has had much difficulty in inducing patients to begin and to persevere in the courses, as many, although warned to the contrary, expect a rapid cure.

TREATMENT.

A.—By Sodium Hydnocarpate.

(1) Method of administration—intravenous or intramuscular combined with internal administration.

(2) Dosage—an injection of a $\frac{1}{2}$ c.c. of a 3 per cent solution is given twice weekly. Dose is increased gradually to 4 c.c. which is given once weekly. Internally on non-injection days, 3 grains in capsule are given thrice daily. This dose is increased daily by 3 grains until 15 grains are being taken thrice daily.

(3) Average number of injections was 42 per patient.

(4) Results:—

| | | | |
|---------------------|-----|-----|----|
| Total cases treated | ... | ... | 60 |
| Not improved | ... | ... | 16 |
| Improved slightly | ... | ... | 29 |
| Improved greatly | ... | ... | 13 |
| Lesions disappeared | ... | ... | 2 |
| | | | 60 |

(5) Duration of disease in treated cases was from 2 to 31 years.

(6) Illustrative cases—

(a) Velasco, a Eurasian

Duration of disease is 4 years

Condition when treatment was commenced:—

Nodules on face;

Ears thickened;

Anaesthetic patches on buttocks, thighs, legs and feet;

Ulceration of nasal cavity;

Lepra bacilli present in nasal smear.

Condition on 31/12/21:—

Nodules absent;

Ears not thickened;
 Anaesthetic patches absent;
 Ulceration of nasal cavity healed;
 A few bacilli still present in nasal smear.

(b) Murugan, a Tamil.

Duration of disease is 3 years
 Condition when treatment was commenced:—
 Nodules on face;
 Ears thickened;
 Anaesthetic patches on fingers, buttocks and feet;
 Ulceration of fingers;
 Lepra bacilli present in nasal smear.
 Condition on 31/12/21:
 Nodules absent;
 Ears not thickened;
 Anaesthetic patches absent;
 Ulceration healed;
 Lepra bacilli absent from nasal smear.

Both these patients have since been discharged.

B.—By Sodium Morrhuate.

(1) Method of administration intravenous, intramuscular and internal.

(2) Doses—an injection of a $\frac{1}{2}$ c.c. of a 3 per cent solution is given twice weekly. Dose is gradually increased to $2\frac{1}{2}$ c.c. twice weekly. Internally on non-injection days 3 grains in capsule are given thrice daily. This dose is increased daily by 3 grains until 15 grains are being taken daily.

(3) Average number of injections was 36 per patient.

(4) Results:—

| | | | | |
|---------------------|-----|-----|---|---|
| Total cases treated | ... | ... | | 8 |
| Not improved | ... | ... | 2 | |
| Slightly improved | ... | ... | 4 | |
| Greatly improved | ... | ... | 2 | |
| Lesions disappeared | ... | ... | 0 | 8 |

(5) Duration of disease was from 3 to 7 years

(6) Illustrate case—

Gangayah, a Tamil
 Duration of disease is 5 years.
 Condition when treatment was commenced:—
 Nodules on face, forearms, buttocks and thigh;
 Ears much thickened;
 Ulceration of ears and feet.
 Condition on 30/6/21:
 Nodules absent;
 Ears slightly thickened;
 Ulceration healed;
 Patient absconded on 11/7/21.

C.—By Sodium Soyate.

(1) Method of administration—intravenous, intramuscular and internally.

(2) Dosage—an injection of a $\frac{1}{2}$ c.c. of a 3 per cent solution is given twice weekly. Dose is gradually increased to 4 c.c. when this dose is given

once a week. Internally on non-injection days 3 grains in capsule are given thrice daily. This dose is increased daily by 3 grains until 15 grains are taken thrice daily.

(3) Average number of injections was 32 per case.

(4) Results:—

| | | | | |
|---------------------|-----|-----|-----|----|
| Total treated | ... | ... | ... | 45 |
| Not improved | ... | ... | 10 | |
| Slightly improved | ... | ... | 20 | |
| Greatly improved | ... | ... | 14 | |
| Lesions disappeared | ... | ... | 1 | 45 |

(5) Duration of disease 1 year to 4 years.

(6) Illustrative cases—

Koomarasamy, a Tamil.

Duration of disease is 7 years.

Condition when treatment was commenced:—

Lepra bacilli present in nasal smear;

Nodules on face;

Ears thickened;

Anaesthetic patches on fingers and soles.

Condition on 31/12/21:

Nodules on face disappearing;

Sensation returning to anæsthetic patches.

Sensation returning to anaesthetic patches.

D.—By Sodium Hydnocarbate (3 per cent) 1 Part and Sodium Soyate (3 per cent) 2 Parts.

(1) Method of administration—intravenous, intramuscular and subcutaneous.

(2) Dosage—an injection of a $\frac{1}{2}$ c.c. twice weekly. Dose is gradually increased to 4 c.c. when this dose is given once a week. Internally on non-injection days 3 grains of Sodium Soyate in capsule are given thrice daily. This dose is increased daily by 3 grains until 15 grains are being taken thrice daily.

(3) Average number of injections 17 per patient.

(4) Results:—

| | | | | |
|---------------------|-----|-----|-----|----|
| Total cases treated | ... | ... | ... | 20 |
| Not improved | ... | ... | 2 | |
| Slightly improved | ... | ... | 7 | |
| Greatly improved | ... | ... | 11 | |
| Lesions disappeared | ... | ... | 0 | 20 |

(5) Duration of disease from 6 months to 15 years.

(6) Illustrative cases—

Velliam, a Tamil.

Duration of disease is 6 years.

Condition when treatment was commenced:—

Lepra bacilli present in nasal smear;

Nodules on face;

Ears thickened;

Anaesthetic patches on legs and feet;

Ulceration of feet.

Condition on 31/12/21:

Nodules greatly decreased;

Ears less thickened;

Sensation returning to anæsthetic patches.

Ulceration diminishing.

E. "E. C. C. O."

(1) Method of administration—intramuscular and subcutaneous.

(2) Dosage—not yet definitely decided.

(3) Results:—

Nine cases have been under treatment since 1/12/21.

One nodular case of 14 years' duration has shown considerable improvement.

F.—Summary of Treatment.

| Medicine. | Not Improved. | Slightly Improved. | Greatly improved. | Lesions Disappear. | Treatment Commenced from 1st Dec., 1921. | Total. |
|-------------------------------|---------------|--------------------|-------------------|--------------------|--|--------|
| Sod. Hydnocarpate ... | 16 | 29 | 13 | 2 | ... | 60 |
| „ Morrhuate ... | 2 | 4 | 2 | 0 | ... | 8 |
| „ Soyate ... | 10 | 20 | 14 | 1 | ... | 45 |
| „ Hydnocarpate and Soyate ... | 2 | 7 | 11 | 0 | ... | 20 |
| E. C. C. O. ... | ... | ... | ... | ... | 9 | 9 |
| Oscol Stibium ... | ... | ... | ... | ... | 4 | 4 |
| Total ... | 30 | 60 | 40 | 3 | 13 | 146 |

Conclusions.—Over two-thirds of those treated have shown signs of improvement. Nodular cases appear to benefit more than anæsthetic cases. In cases that have laryngeal or ocular trouble, it is best to give small doses and to stop them if there is any severe local reaction, as otherwise these complications become worse.

III.

General note on Remedies.

(1) Chaulmoogra and Hydnocarpus oils are obtained from Taroktogenos Kurzii, from Hydnocarpus Wightiana, and from some other varieties of Hydnocarpus, by expression from the fresh seeds. Chaulmoogra oil has long been known as a remedy for Leprosy but it has been found impossible to administer enough of it by the mouth and inunction to cure the patient, while, injected intramuscularly, it is too painful.

(2) Dr. VICTOR HEISER was the first to mix Chaulmoogra oil with camphorated oil and Resoroin, and administer it intramuscularly, thus securing better absorption with less pain.

(3) Dr. P. HARPER's mixture of Chaulmoogra oil combined with Ether, with a little Iodine or carbolic acid added constitutes an advance on Heiser's preparation, as it is more absorbable and can be injected intravenously daily without danger.

(4) Sir LEONARD ROGERS has also introduced an advance on Heiser's solution in sodium hydnocarpate; it is composed of the sodium salts of the most active unsaturated acids of Chaulmoogra oil, which can be obtained from Hydnocarpus oils as well as from the true Chaulmoogra oil. Sodium hydnocarpate may be given intravenously in 3 per cent solution without pain, but when used for a lengthy period the veins get thickened and difficult to penetrate with the needle: injected hypodermically or intramuscularly it causes some pain.

(5) A probable further advance on sodium hydnocarpate is Muir's preparation known as E. C. C. O. His formula is:—

Ethyl esters of the fatty acids of oil from Hydnocarpus—

| | | | | | | |
|-----------------|-----|-----|-----|-----|----|-------|
| Wightiana seeds | ... | ... | ... | ... | I | c. c. |
| Creosote | ... | ... | ... | ... | I | c. c. |
| Camphor | ... | ... | ... | ... | I | gram. |
| Olive oil | ... | ... | ... | ... | 2½ | c. c. |

He dissolves the camphor in doubly distilled creosote, and adds it and the Ethyl esters to doubly distilled olive oil which has been heated for half an hour to 96° C on a water bath and then cooled.

Muir finds that this solution is painless even when given hypodermically or intramuscularly, and that it is more efficient in nodular and nerve leprosy than any other preparation. He reports that when given intravenously no injury is produced to the veins. Muir's preparation is not unlike that introduced by Dr. DEAN in the Hawaiian Islands which has produced excellent results.

(6) Other useful solutions are:—

- (a) 3 per cent of sodium soyate—a preparation from the oil of the soya bean;
- (b) 3 per cent of sodium morrhuate—a preparation from the fatty acids of cod liver oil.

Though neither of these is as active as sodium hydnocarpate, both are useful to ring the changes. They are often of benefit when improvement has temporarily ceased under treatment with hydnocarpate compounds.

(7) Where there is much ulceration it is desirable to give the patient a course of injections of a 2 per cent solution of Tartar Emetic before beginning other treatment. A colloidal preparation of Antimony known as Oscal Stibium (Oppenheimer) has lately been introduced: it is claimed to be superior to Tartar Emetic.

(8) To sum up, at the time of writing, I am of opinion that the best results are to be obtained from injections of E. C. C. O. (Muir's), preceded by a course of Tartar Emetic or of Oscal Stibium injections where ulceration is a feature. It may be beneficial in many cases to alternate the E. C. C. O. with courses of sodium hydnocarpate, sodium morrhuate and sodium soyate.

20. Total in-patients treated and mortality in all Hospitals of the Colony for the past six years :—

| Year. | Number treated. | | | Number of Deaths. | | | Percentage of Deaths to Total treated. | | |
|----------|-----------------|----------|--------|-------------------|----------|--------|--|----------|--------|
| | Europeans. | Natives. | Total. | Europeans. | Natives. | Total. | Europeans. | Natives. | Total. |
| 1916 ... | 1,843 | 32,623 | 35,466 | 82 | 3,289 | 3,371 | 4'45 | 9'78 | 9'50 |
| 1917 ... | 1,904 | 34,559 | 36,463 | 83 | 4,006 | 4,089 | 4'36 | 11'59 | 11'21 |
| 1918 ... | 3,197 | 39,836 | 43,033 | 143 | 5,698 | 5,841 | 4'47 | 14'30 | 13'57 |
| 1919 ... | 2,944 | 37,812 | 40,756 | 139 | 4,602 | 4,741 | 4'72 | 12'17 | 11'69 |
| 1920 ... | 3,454 | 39,343 | 42,797 | 165 | 4,120 | 4,285 | 4'77 | 10'47 | 10'01 |
| 1921 ... | 2,184 | 41,309 | 43,493 | 74 | 4,311 | 4,385 | 3'39 | 10'44 | 10'09 |

Singapore Hospitals.

21. The number of cases treated in the European wards of the General Hospital during the year under review was 1,638 against 1,812 in 1920. The number in the native wards was 6,532 against 5,925 in 1920. The total deaths were 666.

22. Eleven thousand three hundred and seventy patients were treated at the Tan Tock Seng's Hospital, with 1,530 deaths. The average daily sick was 703'80, compared with 622'79 in 1920.

23. The number of patients remaining in the Lunatic Asylum on 1-1-1921 was 399, and the admissions during the year were 308, making a total treated of 707 patients (54 Europeans and 653 Asiatics). The total deaths were 5 Europeans and 68 Asiatics, and the daily average inmates 424.

24. In the Kandang Kerbau Women's Hospital the total patients treated were 651, of whom 5 were Europeans, 56 Eurasians and 589 Asiatics. The total deaths were 77, (5 Eurasians and 72 Asiatics). The total number of patients treated and the total deaths in 1920 were 575 (1 European and 574 Eurasians and Asiatics) and 64 deaths (all Asiatics) respectively.

Penang Hospitals.

25. The total number of patients treated in all Penang Hospitals, including Dindings was 12,094, of whom 442 were Europeans and 11,652 Asiatics. Of these 1,146 died: (22 Europeans and 1,124 Asiatics): in 1920, the total treated was 12,321 (535 Europeans and 11,786 Asiatics), and the total deaths 1,168 (39 Europeans and 1,129 Asiatics).

Province Wellesley Hospitals.

26. On the 1st January, 1921, there remained in the Hospitals in Province Wellesley 148 patients and during the year 2,976 cases were admitted, making a total treated of 3,124—all these were Asiatics. The total deaths were 289. In 1920 the total cases treated were 3,272 with 284 deaths.

Malacca Hospitals.

27. Four thousand two hundred and forty-one patients were treated in the Hospitals at Malacca and Jasin during the year under review, with a mortality of 450 cases. In 1920 the figures were 4,997 and 611 respectively.

Labuan Hospital.

28. In the Civil Hospital, Labuan, 292 patients, of whom 1 was a European, were treated in 1921 with 14 deaths. In 1920 the figures were 244 (2 Europeans) and 13 deaths respectively.

All Hospitals.

29. The total number of patients treated and the total deaths in the Hospitals of the Colony for some of the more important diseases are shown in the subjoined statement with the corresponding figures for the four preceding years:—

| Diseases. | 1917. | | 1918. | | 1919. | | 1920. | | 1921. | |
|-------------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | Total treated. | Total deaths. | Total treated. | Total deaths. | Total treated. | Total deaths. | Total treated. | Total deaths. | Total treated. | Total deaths. |
| Malarial Fevers ... | 7,355 | 613 | 7,726 | 766 | 6,446 | 472 | 7,539 | 548 | 7,681 | 567 |
| Dysentery ... | 1,516 | 563 | 2,481 | 739 | 1,708 | 632 | 1,451 | 462 | 1,452 | 490 |
| Diarrhoea ... | 431 | 28 | 407 | 41 | 420 | 35 | 460 | 23 | 451 | 23 |
| Beri-beri ... | 1,520 | 299 | 1,725 | 283 | 1,556 | 236 | 363 | 43 | 684 | 184 |
| Phthisis & Tuberculosis | 1,214 | 594 | 1,337 | 692 | 1,442 | 686 | 1,450 | 698 | 1,500 | 717 |
| Enteric Fever ... | 116 | 42 | 251 | 106 | 142 | 63 | 167 | 61 | 174 | 86 |
| Ulcers ... | 2,323 | 1 | 2,432 | 2 | 3,196 | 1 | 4,027 | 5 | 4,169 | 3 |
| Venereal Diseases ... | 3,232 | 82 | 2,774 | 101 | 3,451 | 77 | 3,836 | 52 | 4,319 | 44 |
| Ankylostomiasis ... | 1,526 | 268 | 1,714 | 385 | 1,183 | 241 | 1,501 | 312 | 1,944 | 278 |

Out-Door Dispensaries.

30. Forty-three thousand and seventy patients sought medical assistance as out-patients in the different out-door dispensaries of the Colony compared with 30,535 in 1920 and 30,097 in 1919. The Dispensary at Jalan Klapa, Singapore, was closed on 19th February, and the building converted into a teaching centre for Sanitary Inspectors.

A part-time out-door venereal clinic was started at Tanjong Pagar, Singapore, in July. Part-time out-door dispensaries were started in three Police Stations during the year, viz., at Bayan Lepas, Penang; Penaga, Province Wellesley and in Labuan. The attendance at all 3 was encouraging.

School Inspection.

31. Systematic inspection and treatment of school children by Government Medical Officers was started during the year under review.

In Singapore the Lady Medical Officer, Kandang Kerbau, undertook the inspection of Girls' Schools as a part-time duty and examined 393 girls at the Fairfield Girls' School.

She reports that the nutrition, cleanliness and clothing of the children in this school are fairly satisfactory, but that 84 per cent have carious teeth and 8.4 per cent have vision of 6/12 or less.

Forty-seven per cent have enlarged tonsils; malarial fever and skin diseases are rare.

The treatment of skin diseases was carried out at the School by a nurse.

A private dentist, Mr. T. S. WANG, arranged to attend to the children's teeth, charging those who could pay and doing the remainder free.

Ninety-five dollars was invested in tooth brushes, and daily tooth brush drill was carried out. Girls suffering from other conditions if well to do were referred to their own doctors, and if poor, received free treatment by the Lady Medical Officer at Kandang Kerbau.

Male Schools, Singapore.

The Malay School boys at Siglap, Padang Terbakar, Tanglin Besar and Tanglin Kechil, Tanjong Katong and Teluk Kurau were inspected by Dr. A. L. MURISON in August. After August no Medical Officer was available for this work until the end of December when Dr. R. B. MACGREGOR assumed duty as School Medical Officer.

Penang.

The Senior Health Officer Dr. SAYERS undertook the inspection of boys' schools as a part-time duty from April, 1921, until the end of the year.

He visited 113 schools and examined 7,801 pupils.

Treatment of the diseases from which pupils suffered was carried out with the available means. Well-to-do children were referred to their doctors.

If the school were near a hospital or dispensary poorer children were treated there.

In outlying schools, the pupils were treated by the medical officer after examination, and drugs were in some cases given to the teachers to continue treatment; in Malay Rural Schools periodic visits were paid by Malay dressers for the same purpose.

Recommendations *re* Sanitary improvements to schools were submitted to the Education Department.

College of Medicine.

32. The total number of students on the Roll for the full course of L.M.S. was 132, of whom 33 joined in the year under review. Seven students qualified for the L.M.S. The total number of Licentiates now amounts to 124.

Miscellaneous.

33. Fifty-three Medical Practitioners were registered during the year. The total number now on the Register is 631.

Forty-three licences were issued to chemists and druggists and 33 licences to dentists under the Deleterious Drugs Ordinance.

Fifty-two licences were issued under the Poisons Ordinance.

The Hospitals Board ambulance answered 326 calls for conveying cases to Hospitals.

The following were members of the Hospitals Board during the year excluding Government ex-officio members:—

The Hon'ble Mr. D. Y. PERKINS.

Mr. M. J. UPCOTT.

Dr. M. J. RATRAY.

Dr. P. S. HUNTER.

Dr. MCKERN.

Mr. TAN KHEAM HOCK.

I assumed duty as Principal Civil Medical Officer on 4th January, 1921, succeeding Dr. S. H. R. LUCY who retired, and relieving Dr. GILBERT BROOKE who had been acting in the capacity since August, 1920.

The following officers arrived from England on appointment to the Straits Medical Service:—

- Dr. J. B. MASON on 3rd January, 1921. He was posted for duty as R. M. O., St. John's Island, Singapore and later served in Labuan and Penang.
- Dr. L. J. PAVILLET on 5th March, 1921. He was at once seconded for service in Johore.
- Dr. K. BLACK arrived on 21st April, 1921 and assumed duty as Surgeon, Native Hospitals, Singapore.
- Dr. J. R. KAY-MOUAT arrived and assumed duty as Assistant Principal, Medical School, on 23rd July, 1921. He was promoted to the post of King Edward VII Professor of Physiology in November, 1921.
- Dr. (Mrs.) S. WINSTEDT reported her return from War Service and assumed duty as Lady Medical Officer on 16th March. She is employed in the General Hospital, Singapore. Dr. (Mrs.) O'MAY assumed duty as Lady Medical Officer, Kandang Kerbau, on 7th June, 1921. Both these officers were transferred from the service of the Federated Malay States Government.
- Dr. J. C. TULL reported his arrival and assumed duty as Medical Officer in Penang on the 24th January, 1921. He was gazetted as Pathologist, Penang, on 1st July, 1921.
- Dr. C. L. STEWART was transferred on 1st June to the Federated Malay States Service *vice* Dr. O. J. MURPHY who assumed duty in Singapore as Lecturer in Midwifery at the Medical School and officer in charge of Maternity Hospitals.

The following Medical Officers were appointed temporarily locally:—

- Dr. L. WHEELER from 21st February: he was transferred to Kedah on 12th September, 1921.
- Dr. W. F. TODD and Dr. T. E. MARSHALL from 1st October and 9th November, respectively.
- Dr. T. W. H. BURNE was seconded for service in Johore on 3rd October, 1921.
- Drs. C. J. SMITH, T. W. H. BURNE, T. C. A. CLEVERTON and H. W. FURNIVALL returned from leave on 16th July, 29th July, 8th August, and 21st September, respectively, and Drs. J. R. McVAIL, W. H. FRY, J. S. WEBSTER and G. H. MACALISTER proceeded on furlough on 25th February, 25th May, 8th September and 18th September respectively.
- Drs. J. A. CAMPBELL, J. T. DUNCAN, J. H. T. TENNENT and H. S. SUGARS, D.S.O., M.C., were invalided out of the Service, the latter on account of wounds received while serving in France in 1917.

A. L. HOOPS,
Principal Civil Medical Officer,
Straits Settlements.

APPENDIX A.

SINGAPORE.

GENERAL HOSPITAL.

REPORT BY DR. W. A. TAYLOR, B.A., M.B., B.Ch., *Acting Chief Medical Officer.*

1. *Work done.*—A comparative table from 1915 to 1921 inclusive is attached.

| Year. | Number of patients treated in European Wards. | Died. | Percent-age. | Number of patients treated in Native Wards. | Died. | Percent- ^a age. |
|----------|---|-------|--------------|---|-------|----------------------------|
| 1915 ... | 1,084 | 51 | 4·68 | 3,258 | 246 | 7·59 |
| 1916 ... | 1,038 | 65 | 6·26 | 3,350 | 297 | 8·09 |
| 1917 ... | 1,120 | 49 | 4·37 | 3,800 | 382 | 10·05 |
| 1918 ... | 1,206 | 59 | 4·89 | 4,683 | 499 | 13·01 |
| 1919 ... | 1,558 | 83 | 5·32 | 4,771 | 470 | 9·85 |
| 1920 ... | 1,812 | 91 | 4·96 | 5,925 | 518 | 8·74 |
| 1921 ... | 1,638 | 87 | 5·37 | 6,532 | 579 | 7·94 |

Maternity Wards.

2. There were 615 admissions as compared with 458 in 1920.

The nationalities of the cases were as follows:—

| | | | | |
|-------------------------|-----|-----|-----|-----|
| Europeans | ... | ... | ... | 129 |
| Eurasians | ... | ... | ... | 27 |
| Chinese | ... | ... | ... | 311 |
| Tamils | ... | ... | ... | 71 |
| Singhalese | ... | ... | ... | 3 |
| Sikhs and other Indians | ... | ... | ... | 30 |
| Malays | ... | ... | ... | 1 |
| Javanese | ... | ... | ... | 2 |
| Japanese | ... | ... | ... | 39 |
| Jews | ... | ... | ... | 2 |
| | | | | 615 |

3. The work of the X-Ray Department has increased considerably; 734 cases were radiographed during the year as against 468 in 1920 and 316 in 1919.

4. *Staff.*—Dr. W. A. TAYLOR was in charge as Acting Chief Medical Officer from the 17th February. He relieved Dr. J. S. WEBSTER.

Dr. JOHN GRAY acted as Senior Surgeon up to May 17th, when he was transferred to Penang as Acting Chief Medical Officer: Mr. KENNETH BLACK, F.R.C.S., succeeded him until the return from leave of the Senior Surgeon Mr. C. J. SMITH, F.R.C.S., on July 4th, 1921.

Dr. H. B. DODDS took over the duties of Radiologist from Dr. J. S. WEBSTER who proceeded on leave to Europe in September.

5. *Native Police.*—There were 1,049 admissions to Hospital, an increase of 248 as compared with the previous year. The nationalities of these patients were Malays 502, Sikhs 238, Other Indians 233, Javanese 19, Chinese 55, Bugis 2.

The principal diseases treated amongst police were Pyrexia of uncertain origin 234, Venereal diseases 94, Skin 53, Injuries 82, Malaria 43, Bronchitis 49, Asthma 26, Ankylostomiasis 82.

SURGERY, GENERAL HOSPITAL.

REPORT BY C. J. SMITH, F.R.C.S., Edinburgh.

| Operations. | | | | | Total. | Cured. | Relieved. | Not Relieved. | Died. |
|------------------------|------------------------------|-----|-----|-----|--------|--------|-----------|---------------|-------|
| 1. | Gynæcological | ... | ... | ... | 58 | 52 | 1 | 3 | 2 |
| 2. | Abdominal | ... | ... | ... | 125 | 97 | 1 | 12 | 15 |
| 3. | Genito-urinary | ... | ... | ... | 60 | 59 | 1 | ... | ... |
| 4. | Skull and Brain | ... | ... | ... | 5 | 3 | ... | ... | 2 |
| 5. | Bones | ... | ... | ... | 8 | 8 | ... | ... | ... |
| 6. | Thorax and Contents | ... | ... | ... | 5 | 5 | ... | ... | ... |
| 7. | Face, Mouth and Jaws | ... | ... | ... | 9 | 9 | ... | ... | ... |
| 8. | Rectum and Anus | ... | ... | ... | 16 | 16 | ... | ... | ... |
| 9. | Arteries and Veins | ... | ... | ... | 3 | 3 | ... | ... | ... |
| 10. | Ductless Glands | ... | ... | ... | 11 | 11 | ... | ... | ... |
| 11. | Amputations | ... | ... | ... | 2 | 1 | ... | ... | 1 |
| 12. | Nerves | ... | ... | ... | 1 | 1 | ... | ... | ... |
| 13. | Abdominal Walls | ... | ... | ... | 28 | 28 | ... | ... | ... |
| 14. | Bone, Joints and Bursal | ... | ... | ... | 10 | 10 | ... | ... | ... |
| 15. | Skin and Subcutaneous Tissue | ... | ... | ... | 7 | 7 | ... | ... | ... |
| 16. | Throat, Nose and Ear | ... | ... | ... | 23 | 23 | ... | ... | ... |
| 17. | Eye | ... | ... | ... | 6 | 6 | ... | ... | ... |
| Total Major Operations | | | | | 377 | 339 | 3 | 15 | 20 |
| Minor Operations | | | | | 267 | 267 | ... | ... | ... |
| Total | | | | | 644 | 606 | 3 | 15 | 20 |

Percentage of deaths to total Major Operations ... 5.30

Percentage of deaths to total all Operations ... 3.10

Note.—In Caesarian Section Operations 3 children were delivered dead.

FREE MATERNITY HOSPITAL, VICTORIA STREET.

REPORT BY DR. W. A. TAYLOR, B.A., M.B., B.Ch.

During the year under report 493 women were delivered, an increase of 151 patients over the previous year.

There were born males 266 and females 234.

The nationalities were as follows:—

Chinese 401, Japanese 12, Tamils 49, Jews 3, Eurasians 16, and Others 12. = 493.

There were 6 adult deaths due to neglected labour with Sepsis 1, Acute Gastric Enteritis 1, Secondary Syphilis 1, Peripheral Neuritis 1, Cerebral Malaria 1, Pulmonary Embolism 1.

There were 30 still-born babies.

Six premature babies died.

There were 47 complicated cases.

During the year the accommodation for patients was increased by three beds.

The Nursing Staff was increased by the addition of one Staff Nurse and one Probationer. Prior to this the Matron worked single-handed.

PRISON HOSPITAL.

REPORT BY DR. A. L. MURISON, M.R.C.S., L.R.C.P., *Medical Officer-in-charge, Prison Hospital.*

1. The health of the Prison has been satisfactory.
2. The water-carriage system of sewage disposal was completed and worked well during the year.
3. The Prison has been free from Beri-Beri (only one case was admitted into hospital, the patient having contracted the disease outside) and scurvy. There were 8 cases of Enteric fever during the year, of which 7 proved fatal. Thorough disinfection of all uncooked vegetables and of all the wells was adopted: no fresh cases occurred during the fourth quarter of the year under review.
4. *Dysentery.*—There were 49 admissions to hospital with 6 deaths against 10 and 2 in 1920 and 28 and 9 in 1919. The increase is partly due to the greater number of vagrants admitted during the year: most of the cases were 'relapses' of the disease contracted before admission to the prison.
5. Tuberculosis accounted for 12 admissions with 4 deaths.
6. There were 628 admissions to hospital during the year with an average daily sick of 20'42 against 529 and 24'57 in the previous year. Amongst these were 2 European and 1 Eurasian vagrants.
7. *Criminal Prison.*—The total population was 3,771 and the average daily number 727. 506 were admitted to hospital with 26 deaths. The average daily sick was 16'5.
8. *Civil Prison.*—The total population was 6,299 and the average daily number was 122'16. Eighteen were admitted to hospital with 3 deaths. The average daily sick was 0'4.
9. *House of Detention.*—The total population was 1,197 and the average daily number 77. 104 were admitted to hospital with 12 deaths. The average daily sick was 3'5.
10. There were 41 deaths in hospital of whom 16 were Long Sentence prisoners, 5 Short Sentence, 5 Revenue Grade, 12 Vagrants and 3 Civil prisoners.
11. Besides these, there were 3 deaths in the cells; two in the Civil Prison, and one in the Criminal Prison, due to Bright's disease, Chronic gastritis and heart failure.
12. *Suicide by hanging.*—There were 3. One in the Civil Prison—a remand prisoner, addicted to opium-smoking: two in the Criminal prison, one a Tamil; the other a Chinese long sentence prisoner, who assaulted a Warder and was sentenced to penal servitude for life.
13. *Executions.*—There were 6: 5 Chinese and one Sikh.
14. Medical Officer-in-charge, Dr. FITZGERALD, was relieved by Dr. WEBSTER in the middle of February. Dr. A. LOGAN MURISON took over from Dr. WEBSTER early in September, 1921.

TAN TOCK SENG'S HOSPITAL, SINGAPORE.

REPORT BY DR. V. B. KYLE, M.D., B.Ch., *Medical Officer.*

| | | | |
|---|-----|-------|--------|
| 1. <i>Work done.</i> —Remained on 31st December, 1920 | ... | ... | 638 |
| Admitted during the year 1921 | ... | ... | 10,732 |
| | | TOTAL | 11,370 |
| Discharged | ... | ... | 9,236 |
| Died | ... | ... | 1,530 |
| Remained on 31st December, 1921 | ... | ... | 604 |
| | | TOTAL | 11,370 |

2. The average daily sick was 703·80 as compared with 622·15 in 1920.
3. The percentage of deaths to total treated during the year was 13·45.
4. There were 1,530 deaths during the year. Of these the number dying within 24 hours of admission was 122. The number of patients coming to the hospital in a starved condition was notable, and contributed to the high death-rate.
5. The average daily stay in hospital of those discharged was 13·19 days; of those dying 16·57 days; and of those remaining 72·16 days.
6. *Malaria*.—Two thousand seven hundred and twenty-six cases of Malaria were treated during the year. The number of cases remaining in hospital at the end of the year was 48. There were 205 deaths, a mortality rate of 7·52 per cent.

| <i>Types of Malaria.</i> | | <i>Total Cases treated.</i> | | <i>Deaths.</i> |
|--------------------------|-----|-----------------------------|-------|----------------|
| Benign Tertian | ... | ... | 420 | 10 |
| Malignant Tertian | ... | ... | 963 | 134 |
| Quartan | ... | ... | 213 | 6 |
| Mixed | ... | ... | 127 | 5 |
| Chronic | ... | ... | 402 | 45 |
| Unclassified | ... | ... | 601 | 5 |
| TOTAL | | ... | 2,726 | 205 |

Systematic blood examinations were carried out in fever cases: positive results were as follows:—

Malignant Tertian 959, Benign Tertian 499, Quartan 266, Mixed 279, Negative 6,388; total 8,391.

In the Special Malaria Ward, 3,984 *intravenous* injections of Quinine bi-hydrochloride were administered.

7. *Dysentery*.—There were 453 cases of Dysentery treated during the year. Of these 238 cases died, a death-rate of 52·53 per cent.

8. *Beri-beri*.—Beri-beri is again on the increase, due to the removal of rice control, and to starvation from lack of employment. Comparative figures are:—

| | 1919 | 1920 | 1921 |
|----------------------|-------|------|-------|
| Cases | 700 | 136 | 297 |
| Deaths | 78 | 14 | 75 |
| Percentage Mortality | 11·14 | 10 | 25·25 |

Fifty-eight cases remained under treatment at the end of the year. Twenty-six chronics were transferred to Pasir Panjang Hospital.

9. *Enteric Fever*.—Eighty-five cases of Enteric fever were treated during the year. There were 37 deaths showing a death-rate of 43·52 per cent against 41·66 per cent in 1920.

10. The Venereal Diseases were as follows:—

Syphilis Primary 237, Syphilis Secondary 797, Syphilis Tertiary 98, Syphilitic Arthritis 73, Gonorrhœa 162, Gonorrhœal Arthritis 105, Gonorrhœal Ophthalmia 16, Soft Chancre 193; total 1,681.

There were 8 deaths from Syphilis.

11. *Helminthiasis*.—Two hundred and eleven cases of Ankylostomiasis were treated during the year. There were 22 deaths giving a mortality of 10·42 per cent. Fourteen cases remained in hospital at the end of the year. Three thousand one hundred and eighty-seven stools were examined during the year with the following results:—

| | | | | |
|--|-----|-----|-----|-------|
| Ankylostomiasis Ova | ... | ... | ... | 1,244 |
| Round-worm Ova | ... | ... | ... | 378 |
| Whip-worm Ova | ... | ... | ... | 198 |
| Round & Whip-worm Ova | ... | ... | ... | 102 |
| Ankylostomiasis & Round-worm Ova | ... | ... | ... | 122 |
| Ankylostomiasis, Whip-worm Ova | ... | ... | ... | 112 |
| Ankylostomiasis, Whip & Round-worm Ova | ... | ... | ... | 63 |
| Negative | ... | ... | ... | 1,968 |
| TOTAL | | | | 4,187 |

12. *Tuberculosis: General and Pulmonary*.—Out of 478 cases of Tuberculosis treated during the year there were 456 Pulmonary Tuberculosis, and 22 General Tuberculosis. Three hundred and eighteen cases died, a death-rate of 66·52 per cent.

One thousand eight hundred and ninety-three Sputa were examined with the following results:—

Negative 1,474; Positive 419.

13. *Ulcers*.—One thousand two hundred and sixteen cases of Ulcers were treated during the year; 106 cases remain in hospital.

14. *Plague*.—There were 4 cases of Bubonic and 2 of Pneumonic Plague which were transferred to the Middleton Hospital.

15. The Surgical work was as follows:—

| | | | |
|-----------------------------|-----|-----|-------|
| Operations performed, Major | ... | ... | 316 |
| „ „ Minor | ... | ... | 1,132 |
| TOTAL | | | 1,448 |

Dr. MURISON was Surgeon, Native Hospitals, for the first half of the year, and Dr. K. BLACK for the second.

16. Eight thousand one hundred and forty-five Intravenous injections were administered.

17. *Medico-Legal*.—One hundred and twelve dead bodies were sent by the Coroner for post-mortem examination. Eight hundred and thirty-eight cases were sent by the Police for treatment.

18. *Japanese*.—The number of patients for 1921 was 274. There were 4 deaths among them giving a death-rate of 1·45 per cent. The mortality for the previous year was 6·31 per cent.

19. *Staff*.—Assistant Surgeon D. W. RUFUS died on 16th June, 1921 from Pulmonary Tuberculosis. He qualified at King Edward VII Medical School in March, 1920. A promising career was thus cut short.

20. All Dressers now live on the premises. A new building was utilised as quarters for unmarried junior Dressers.

Regular instruction is now given to all Dressers and periodical examinations were held. The standard of education required for applicants has been raised. There has been no difficulty in filling vacant posts.

21. Dr. W. A. TAYLOR was in charge until 16th February, 1922, when Dr. V. B. KYLE took over from him.

LEPER ASYLUMS, SINGAPORE.

REPORT BY DR. V. BLACKER KYLE, M.D., B.Ch., *Medical Officer.*

1. *Male Camp McNair Road.*—

| | | | |
|---------------------------------|-----|-------|----|
| Remained on 31st December, 1920 | ... | ... | 20 |
| Admitted during 1921 | ... | ... | 58 |
| | | Total | 78 |

| | | | |
|--------------------------------------|-----|-------|----|
| Transferred to Pulau Jerejak, Penang | ... | ... | 42 |
| Discharged for repatriation to China | ... | ... | 1 |
| Absconded | ... | ... | 4 |
| Died | ... | ... | 15 |
| Remaining on 31st December, 1921 | ... | ... | 16 |
| | | Total | 78 |

2. *Female Camp (temporarily at Kandang Kerbau, Hospital):*—

| | | | |
|---------------------------------|-----|-------|----|
| Remained on 31st December, 1920 | ... | ... | 36 |
| Admitted during 1921 | ... | ... | 9 |
| | | Total | 45 |

| | | | |
|----------------------------------|-----|-------|-----|
| Discharged | ... | ... | Nil |
| Absconded | ... | ... | Nil |
| Died | ... | ... | 3 |
| Remaining on 31st December, 1921 | ... | ... | 42 |
| | | Total | 45 |

LUNATIC ASYLUM.

REPORT BY DR. H. J. GIBBS, M.R.C.S., L.R.C.P., *Medical Superintendent.*

1. There remained on the 31st December, 1920, three hundred and nineteen males and eighty females.

Two hundred and forty-two males and sixty-six females were admitted in 1921.

The total treated was seven hundred and seven.

2. Of the admissions 22 males and 15 females had previously been under treatment in this Asylum.

3. Of the total treated one hundred and eleven males and eighteen females were discharged as recovered; sixteen males and twelve females as relieved, 18 males and 22 females as not improved; six males absconded; and sixty males and thirteen females died.

4. There remained on 31st December, 1921, 350 males and 81 females.

5. The average daily numbers were 337 males and 87 females.

6. The maximum and minimum daily numbers were respectively 446 and 400.

7. The nationalities of the admissions are:—

| | | Males. | Females. | Total. |
|-------------------------|-----|--------|----------|--------|
| | | — | — | — |
| British | ... | 8 | 3 | 11 |
| Other Europeans | ... | 2 | — | 2 |
| Eurasians | ... | 3 | 5 | 8 |
| Japanese | ... | 3 | 1 | 4 |
| Chinese | ... | 154 | 41 | 195 |
| Malays and Allied Races | ... | 28 | 7 | 35 |
| Tamils | ... | 35 | 8 | 43 |
| Other Nationalities | ... | 9 | 1 | 10 |
| | | — | — | — |
| Total | ... | 242 | 66 | 308 |
| | | — | — | — |

8. The physical condition of those admitted are shown as:—

| | | | Males. | Females. |
|------------------|-----|-----|--------|----------|
| | | | — | — |
| Good | ... | ... | 89 | 10 |
| Fair | ... | ... | 65 | 26 |
| Impaired | ... | ... | 65 | 23 |
| Greatly Impaired | ... | ... | 23 | 7 |

Ten of the admissions died within a month of their admission.

9. As to the causes assigned for the mental alienation of the admissions Syphilis proved again to be a dominating factor. The blood of 195 males and 10 females of those admitted were examined by the Government Pathologist for Wassermann Reaction. Seventy-one males and 3 females gave positive results.

The blood of 42 of the other male inmates admitted prior to 1921 was also examined and positive results were obtained from nineteen. Alcoholic in temperance accounted for 35 of the male admissions.

10. *Discharges*.—The recovery rate for the year was 27·86. It compares favourably with those of previous years and also of the Home asylums.

Twenty females were transferred to the Central Asylum at Tanjong Rambutan.

11. *Criminal Population*.—There remained on 31st December, 1920, seventeen lunatic criminals and nineteen criminal lunatics. There were admitted during the year eight of the former class and four of the latter. Of the 48 criminals treated the sentences of seven expired, five recovered and were returned to prison and three died. There remained on the 31st December, 1921, thirteen lunatic criminals and twenty criminal lunatics; one of the former and two of the latter are females.

12. *Deaths*.—The death rate based on the average daily number resident was 17·22 per cent; on the total treated it was 10·32 per cent.

13. *Industries*.—Six thousand nine hundred and six yards of cotton cloth were woven by the male patients from which the female patients made clothing and bedding for the asylum inmates.

From canvas purchased through the Crown Agents 40 canvas strong rugs and 14 combination suits were made.

14. *Revenue*.—The revenue received from paying patients amounted to \$18,530·58.

15. *Kitchen Garden*.—It furnished over 50,000 lbs. of vegetables and a large quantity of fruit and sugar-cane for the patients.

The saving to Government was \$2,538.

16. As this, in all probability, will be the last report I write on the Asylum I take the opportunity of tendering my grateful thanks to the staff and attendants for their helpful co-operation during my tenure of office as Medical Superintendent.

TABLE 1.
LUNATIC ASYLUM.
Table showing the Admissions, Discharges and Deaths during the Year 1921.

| — | Male. | Female. | Total. | Male. | Female. | Total. |
|---|-------|---------|--------|-------|---------|--------|
| In the Asylum on 1st January, 1921 | ... | ... | ... | 319 | 80 | 399 |
| Cases admitted :— | | | | | | |
| First Admissions | ... | ... | ... | 220 | 51 | 271 |
| Not First Admissions | ... | ... | ... | 22 | 15 | 37 |
| Total cases under care during the year | ... | ... | ... | 561 | 146 | 707 |
| Cases Discharged :— | | | | | | |
| Recovered | 111 | 18 | 129 | ... | ... | ... |
| Relieved | 16 | 12 | 28 | ... | ... | ... |
| Not Relieved | 18 | 22 | 40 | ... | ... | ... |
| Absconded | 6 | " | 6 | ... | ... | ... |
| Died | 60 | 13 | 73 | ... | ... | ... |
| Total cases discharged and died during the year | ... | ... | ... | 211 | 65 | 276 |
| Remaining in the Asylum on 31st December, 1921 | ... | ... | ... | 350 | 81 | 431 |
| Average number resident during the year | ... | ... | ... | 337 | 87 | 424 |

TABLE III.

LUNATIC ASYLUM.

Table showing the Length of Residence of those Discharged, Recovered and of those who Died during the Year 1921.

| Length of Residence. | | | | Recovered. | | | Died. | | |
|--------------------------|-----|-----|-----|------------|---------|--------|-------|---------|--------|
| | | | | Male. | Female. | Total. | Male. | Female. | Total. |
| Under one month | ... | ... | ... | 4 | ... | 4 | 8 | 2 | 10 |
| From one to three months | ... | ... | ... | 26 | 2 | 28 | 16 | 4 | 20 |
| „ three to six months | ... | ... | ... | 26 | 6 | 32 | 8 | 3 | 11 |
| „ six to nine months | ... | ... | ... | 23 | 6 | 29 | 10 | ... | 10 |
| „ nine to twelve months | ... | ... | ... | 10 | 1 | 11 | 4 | 1 | 5 |
| „ one to two years | ... | ... | ... | 13 | 2 | 15 | 5 | ... | 5 |
| „ two to three years | ... | ... | ... | 5 | 1 | 6 | 2 | 2 | 4 |
| „ three to five years | ... | ... | ... | 3 | ... | 3 | 4 | 1 | 5 |
| „ five to seven years | ... | ... | ... | ... | ... | ... | 2 | ... | 2 |
| „ seven to ten years | ... | ... | ... | 1 | ... | 1 | ... | ... | ... |
| „ ten to fifteen years | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| TOTAL | | | | 111 | 18 | 129 | 60 | 13 | 73 |

BERI-BERI HOSPITAL, PASIR PANJANG.

REPORT BY DR. H. J. GIBBS, *Medical Superintendent.*

1. There remained on 31st December, 1920, thirty-two patients.
2. During 1921 fifty-two were admitted giving a total treated of eighty-four.
3. Of this number 5 were discharged cured, 28 relieved, seven absconded and 8 died.

There remained on 31st December, 1921, 36 patients.

4. The average daily number was 32.
5. Of the deaths 3 were directly from beri-beri; 3 from pulmonary tuberculosis, one from chronic nephritis, and one suffering from cataract and optic atrophy committed suicide by hanging.

BLIND WARD, PASIR PANJANG.

REPORT BY DR. H. J. GIBBS, *Medical Superintendent.*

1. These two wards, formerly used for beri-beri patients, were opened early in the year when a number of chronic blind were transferred from other hospitals, viz.: 50 males from Tan Tock Seng, and 60 males from the District Hospital, Penang.

2. In all 113 blind received treatment.

They suffered from the following eye-troubles:—

| | | | | |
|-----------------------------|-----|-----|-----|----|
| Gonorrhœal ophthalmia | ... | ... | ... | 1 |
| Ulceration of Corneæ | ... | ... | ... | 7 |
| Opacities of the Corneæ | ... | ... | ... | 43 |
| Iritis | ... | ... | ... | 4 |
| Cataract | ... | ... | ... | 24 |
| Staphyloma | ... | ... | ... | 10 |
| Optic Neuritis | ... | ... | ... | 2 |
| Optic Atrophy | ... | ... | ... | 13 |
| Disorganisation of Eye-ball | ... | ... | ... | 9 |

3. Basket and broom making on a small scale were taught some of the blind: they proved themselves adept at the work.

KANDANG KERBAU HOSPITAL FOR FEMALES.

REPORT BY DR. L. S. O'MAY, M.B., CH.B., *Lady Medical Officer.*

I have been in charge since 7th June, 1921.

In-patients—

| | | |
|--|-----|-----------------|
| In-patients remaining on 31st December, numbered | ... | 54 |
| Admissions during the year | ... | 597 |
| | | <hr/> 651 <hr/> |

Of these 495 were discharged.

77 died.

79 remained; total 651.

The nationalities of those admitted were:—

| | | | | |
|-----------|-----|-----|-----|-----|
| Europeans | ... | ... | ... | 5 |
| Eurasians | ... | ... | ... | 56 |
| Chinese | ... | ... | ... | 351 |
| Indians | ... | ... | ... | 122 |
| Japanese | ... | ... | ... | 11 |
| Malays | ... | ... | ... | 42 |
| Others | ... | ... | ... | 10 |

The average daily number of patients was 66.05.

The percentage of deaths to total treated was 12 per cent.

The number of patients who died within 48 hours of admission was 13.

Excluding these the percentage would be 10 per cent.

There were 24 operations performed under chloroform.

One hundred and twenty cases were injected intravenously for Syphilis, receiving 578 injections of arsenical preparations.

Out-patients.—The Dispensary is in charge of the Assistant Surgeon for Government Servants, their wives and children, and indigent males.

Total numbers of out-patients were:—

| <i>New.</i> | <i>Repetition.</i> | <i>Total.</i> |
|-------------|--------------------|---------------|
| — | — | — |
| 5,326 | 440 | 5,766 |

A women and children's dispensary was opened on June 30th by the Lady Medical Officer.

Total numbers of out-patients were:—

| <i>New.</i> | <i>Repetition.</i> | <i>Total.</i> |
|-------------|--------------------|---------------|
| — | — | — |
| 469 | 601 | 1,070 |

of these 251 were children.

The attendances steadily increased from 51 in July to 296 in December.

Nationalities.—Eurasians 234, Chinese 116, Tamils 64, Malays 29, Jews 19, Sikhs 4, Others 3.

HEALTH OF SINGAPORE POLICE FORCE.

REPORT BY DR. A. LOGAN MURISON, M.R.C.S. (ENGLAND), L.R.C.P. (LONDON), *Police Surgeon.*

The general health of the members of the Police Force shows an improvement compared with last year.

The number of cases treated at the out-patient department at the Central Station shows a decrease from 6,167 to 5,606.

The number of Venereal cases were 130 as compared with 117 last year. This is probably due to the fact that sufferers have been recently encouraged to report themselves infected instead of trying to conceal their sickness.

There is an increase from five to twenty-eight in the number of notifiable diseases, chiefly due to measles (eleven) and small-pox (six, including one death).

Malaria is less prevalent.

A scheme is being put forward to rebuild parts of the Central Station on more sanitary lines. The whole of the force has been vaccinated. Recruits are vaccinated after being enrolled.

The total number admitted to the General Hospital was 1,067 compared with 823 in 1920.

The number and nationality of the recruits admitted to the force were as follows:—

Europeans 4, Eurasians 2, Sikhs 54, Malays 226, Javanese 25, Indians (other than Sikhs) 98, Chinese 59, Siamese 1, Japanese 1.

APPENDIX B.

PENANG.

REPORT BY DR. J. GRAY, M.D., B.Ch., *Acting Chief Medical Officer*

Population.—The population of Penang Island is 304,572, for Province Wellesley 130,335 and for the Dindings 11,927 according to the 1921 census.

Births.—The number of births recorded for Penang Island was 5,193, for Province Wellesley 4,624 and for the Dindings 333, the nationalities being European 56, Eurasian 66, Chinese 3,147, Malay 1,310, Dravidian 542, Other Indians 19, Others and Unknown 32.

Deaths.—The number of deaths recorded for Penang Island was 5,126, for Province Wellesley 3,730 and for the Dindings 366.

Birth and Death rates.—The birth and death rates for Penang Island for the last 5 years:—

| | <i>Birth Rate.</i> | <i>Death Rate.</i> | <i>Influenza Mortality per thousand.</i> |
|------|--------------------|--------------------|--|
| | — | — | — |
| 1917 | ... 29'48 | 35'72 | 229 |
| 1918 | ... 37'18 | 44'01 | 204 |
| 1919 | ... 30'16 | 41'71 | 177'23 |
| 1920 | ... 29'55 | 35'30 | 163'19 |
| 1921 | ... 32'00 | 31'58 | 179'47 |

Zymotic Diseases.—The number of deaths from Influenza in Penang Island was 48 as compared with 123 in 1920 and 480 in 1919.

Through the medium of ships, 3 deaths from Influenza took place at the Quarantine Island. Thirty-nine cases were landed there with this disease. Four hundred and sixty-one ships were inspected including 9 infected ships—Small-pox 6, Cholera 2 and Cerebro-spinal Meningitis 1.

Small-pox.—The number of Small-pox cases in Penang Island was three with 2 deaths compared with 34 cases with 22 deaths last year. In Province Wellesley there were 4 cases with no deaths compared with 6 cases with one death in the previous year.

Vaccinations.—Ten thousand three hundred and fifteen Vaccinations were performed by the Government Vaccinator in Penang and 3,461 by the Municipality and private practitioners.

Plague.—There was one case of Plague in Penang Island; he recovered.

Cholera.—There was no Cholera in Penang Island. In Province Wellesley there were 4 cases with 3 deaths.

In Penang the deaths from Malaria for the past 5 years have been:—

| | | | | |
|------|-----|-----|-----|-------------|
| 1917 | ... | ... | ... | 683 deaths. |
| 1918 | ... | ... | ... | 723 „ |
| 1919 | ... | ... | ... | 752 „ |
| 1920 | ... | ... | ... | 672 „ |
| 1921 | ... | ... | ... | 620 „ |

The average death-rate per annum from Malaria in quinquennial periods has been:—

| | | | | |
|-----------|-----|-----|-----|-------------|
| 1901-1905 | ... | ... | ... | 244 deaths. |
| 1906-1910 | ... | ... | ... | 843 „ |
| 1911-1915 | ... | ... | ... | 590 „ |
| 1916-1920 | ... | ... | ... | 716 „ |

HOSPITALS.

The number of admissions and deaths in all Hospitals in Penang and the Hospital at Quarantine Station for the past 5 years was:—

| | | | | <i>Admissions.</i> | <i>Deaths.</i> |
|------|-----|-----|-----|--------------------|----------------|
| | | | | — | — |
| 1917 | ... | ... | ... | 8,718 | 977 |
| 1918 | ... | ... | ... | 10,061 | 1,452 |
| 1919 | ... | ... | ... | 12,036 | 1,724 |
| 1920 | ... | ... | ... | 11,385 | 1,168 |
| 1921 | ... | ... | ... | 12,094 | 1,146 |

The chief recorded cases for these Hospitals for the same period were:—

| <i>Diseases.</i> | | 1917. | | 1918. | | 1919. | | 1920. | | 1921. | |
|---------------------------|-----|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| | | <i>Cases.</i> | <i>Deaths.</i> | <i>Cases.</i> | <i>Deaths.</i> | <i>Cases.</i> | <i>Deaths.</i> | <i>Cases.</i> | <i>Deaths.</i> | <i>Cases.</i> | <i>Deaths.</i> |
| Phthisis | ... | 272 | 145 | 354 | 175 | 320 | 176 | 299 | 189 | 445 | 180 |
| Malaria | ... | 1,493 | 118 | 1,379 | 137 | 2,107 | 175 | 2,557 | 150 | 2,342 | 121 |
| Dysentery | ... | 406 | 119 | 337 | 132 | 493 | 182 | 367 | 105 | 334 | 96 |
| Diarrhoea | ... | 140 | 4 | 150 | 21 | 161 | 20 | 157 | 10 | 147 | 4 |
| Ankylostomiasis | ... | 306 | 163 | 360 | 80 | 207 | 42 | 261 | 46 | 614 | 68 |
| Venereal Diseases | ... | 993 | 36 | 771 | 52 | 764 | 31 | 1,002 | 24 | 1,149 | 13 |
| Influenza | ... | ... | ... | 964 | 185 | 472 | 177 | 937 | 118 | 145 | 7 |
| Teuants | ... | 6 | 3 | 3 | 3 | 1 | 1 | 6 | 2 | 4 | 4 |
| Plague | ... | 6 | 4 | 29 | 17 | 5 | 4 | ... | ... | .. | ... |
| Cholera | ... | 14 | 8 | 80 | 55 | 285 | 180 | ... | ... | 3 | ... |
| Small-pox | ... | 39 | 10 | 58 | 16 | 352 | 108 | 19 | 9 | 45 | 7 |
| Enteric Fever | ... | 11 | 4 | 20 | 13 | 13 | 4 | 13 | 5 | 8 | 3 |
| Cerebro-Spinal Meningitis | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | 9 |

The most marked extension of work during the year has been in the schools in which all the pupils are now regularly examined and in the work of the outdoor dispensaries which are doing a large increase including much anti-venereal work.

Beri-beri shows a striking decline:—

| | | | | <i>Cases.</i> | <i>Deaths.</i> |
|------|-----|-----|-----|---------------|----------------|
| | | | | — | — |
| 1918 | ... | ... | ... | 76 | 24 |
| 1919 | ... | ... | ... | 89 | 12 |
| 1920 | ... | ... | ... | 25 | 6 |
| 1921 | ... | ... | ... | 31 | 10 |

GENERAL HOSPITAL, PENANG.

The numbers treated in the General Hospital during the past 5 years were:—

| Year. | 1st and 2nd Class Wards. | Deaths. | Percent- age. | Native Wards. | Deaths. | Percent- age. |
|-------|-----------------------------|---------|------------------|---------------|---------|------------------|
| 1917 | 350 | 19 | 5.4 | 2,284 | 105 | 7.2 |
| 1918 | 503 | 35 | 6.95 | 2,933 | 232 | 8.81 |
| 1919 | 462 | 21 | 4.58 | 2,984 | 291 | 9.75 |
| 1920 | 485 | 36 | 7.42 | 2,901 | 254 | 8.75 |
| 1921 | 398 | 21 | 5.27 | 2,826 | 220 | 7.78 |

Of the above 21 deaths in the 1st and 2nd class wards 6 took place within 48 hours of admission; and of the 220 deaths in the Native Ward 61 were within 48 hours; deducting these the death-rate was 3.80 and 5.75 respectively. The number of Police admitted during the year was 322 as compared with 649 in 1920.

The number of free patients treated in the wards of General Hospital was 980 compared with 445 previous year, the majority of these were "police cases."

Lunatics.—The number of persons certified as of unsound mind and transferred to Singapore Lunatic Asylum was 72 males and 7 females compared with a total of 59 for last year.

Maternity Hospital.

This institution was taken over by the Government from 1st January, 1922.

Report on Surgery at the General Hospital, Penang, during 1921.

Two hundred and fourteen major operations were performed by the Surgeon.

One hundred and eighty-one improved or were cured, 26 died, 7 did not improve.

The Surgeon also did 91 minor operations.

PRISON HOSPITAL.

REPORT BY R. W. NICKELSEN, L.M.S. (Madras), *Assistant Surgeon-in-charge, Prison Hospital, Penang.*

1. The sanitary condition of the Prison and the general health of the prisoners were satisfactory.

2. There remained 11 patients in Hospital at the beginning of the year. Three hundred and fifty-one patients were admitted during the year making a total of 362 patients treated as compared with 473 treated in 1920.

3. The daily average sick was 17.32 as compared with 17.68 of the previous year.

4. Fifteen deaths occurred during the year, giving a death-rate of 4.14 per cent as compared with 18 deaths and a death-rate of 3.97 for the preceding year.

5. The deaths were due to Dysentery 1, Malaria 3, Pneumonia 1, Pulmonary Tuberculosis 4, Diarrhoea 1, Ankylostomiasis 5; total 15.

6. One hundred and thirty-nine vagrants were admitted during the year. Four remained from the previous year making a total of 143. Eleven deaths occurred among the vagrants.

7. The principal diseases treated were:—

Dysentery 32, Malaria Fever 50, Bronchitis 12, Diarrhoea 24, Abscess 8, Ulcers 33, Injuries 18, Ankylostomiasis 55.

DISTRICT HOSPITAL, PENANG.

REPORT BY DR. J. C. TULL, M.D., C.M., (McGill), L.R.C.P. AND S. (Edinburgh),
L.R.F.P. AND S. (Glasgow), M.R.C.P. (London).

1. There remained on 31st December, 1920, three hundred and twenty-eight patients and 6,178 patients were admitted during 1921, making a total of 6,596 patients. The corresponding figures for 1920 were 324 and 4,537, making a total of 4,861.

2. The number of deaths during the year was 550 giving a death-rate of 8.45 per cent as compared with 506 and 10.40 per cent in 1920.

3. Of the deaths 25 occurred within 24 hours of admission and 78 within 48 hours. Excluding these the death-rate would be 8.06 per cent and 7.25 per cent respectively.

4. The principal diseases treated were:—

| | <i>Admitted.</i> | <i>Deaths.</i> | <i>Percentage.</i> |
|-----------------------|------------------|----------------|--------------------|
| Malarial Fever ... | 1,902 | 59 | 4.56 |
| Dysentery ... | 200 | 71 | 35.20 |
| Phthisis ... | 337 | 126 | 37.38 |
| Ankylostomiasis ... | 464 | 52 | 11.20 |
| Venereal diseases ... | 441 | 7 | 1.58 |

5. The average daily number of sick was 306.98 as compared with 304.53 in 1920.

6. Six hundred and thirteen minor operations were performed during the year.

7. *Ophthalmic Ward.*—One hundred and forty-seven patients were treated during the year of whom 132 were in-patients and 15 out-patients.

Operations performed by Dr. GOSSIP:—

| | | | |
|---------------------------------------|-----|-----|----|
| Cataract Extraction ... | ... | ... | 12 |
| Pterygium Excision and Cauterised ... | ... | ... | 2 |
| Entropion Plastic Operation ... | ... | ... | 10 |
| Total ... | ... | ... | 24 |

BALIK PULAU HOSPITAL.

REPORT BY J. GRAY, M.D., BCh., *Acting Chief Medical Officer.*

Work done.—Two hundred and forty cases (240) were admitted during the year, and a total of 250 cases treated.

The average daily sick was 15.20 as compared with 20.90 of 1920.

The principal diseases treated were:—

| | |
|---------------|--------------------------|
| Malaria ... | 47 cases with 14 deaths. |
| Ulcers ... | 60 ... |
| Pyrexia ... | 15 ... |
| Dysentery ... | 12 cases with 4 deaths. |

There were 29 deaths. The percentage of deaths to total treated is 11.6 as compared with 8.10 in 1920.

Two cases of small-pox and one case of chicken-pox were reported.

Two thousand four hundred and eighty-four re-vaccinations were performed among the residents of P. Upih, Kongs, Titi Teras and Jalan Baru.

The system of issuing vaccination notices to occupants of the houses in an infected village rendered great help in making a census of inmates of dwellings in the village and enabled vaccination to be performed on all the inhabitants.

LUMUT HOSPITAL.

REPORT BY DR. J. GRAY, M.D., B.Ch., *Acting Chief Medical Officer.*

Building.—During the year a new Mortuary was erected. A new female ward, and Assistant Surgeon's and two dressers' quarters are in course of construction.

Work done.—There were 587 admissions which, with 18 remaining from the previous year, made a total of 605, as compared with 511 for the previous year.

The daily average number of patients was 25.44 as compared with 24.03 of last year.

Two hundred and seventy-one cases of Malaria were treated with 5 deaths.

Blood films of all fever cases and those who had enlarged spleens were examined and also stools of all admissions.

Six hundred and seventy intravenous injections of quinine and cacodylate were given for Malaria. Ninety intravenous injections of Novarsenobillon were administered for Yaws and Syphilis.

Deaths.—There were 32 deaths during the year and of these 10 died within 48 hours of admission.

The percentage of deaths to total treated was 4.9 as against 8.02 in 1920. The percentage excluding those dying within 48 hours of admission was 3.4 as against 4.10.

Infectious Disease.—There was one case of measles admitted in hospital and 10 cases of chicken-pox in Bruas (Dindings) with no deaths.

Sanitation.—Periodical visits were paid to the Anti-Malarial Works and new breeding grounds of mosquitos were dealt with by filling in or by bi-weekly oiling operations.

FEMALE LEPER WARD, JELUTONG.

REPORT BY R. W. NICKELSON, L.M.S. (Madras), *Assistant Surgeon.*

Twenty-nine patients remained at the end of 1920 and three cases were admitted during the year making a total of 32 cases treated in all.

There were 2 deaths during the year.

Twelve patients were treated during the last quarter with Sodium Morhuate and Sodium Hydnocarpate injections.

LEPER ASYLUM, PULAU JEREJAK.

REPORT BY DR. F. R. SAYERS, *Medical Officer-in-charge.*
Statistics:—

Remained on 31st December, 1920:—

| | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|
| Colonial | ... | ... | ... | ... | ... | 194 |
| Perak | ... | ... | ... | ... | ... | 174 |
| Selangor | ... | ... | ... | ... | ... | 54 |
| Kedah | ... | ... | ... | ... | ... | 16 |
| | | | | | — | 438 |

Admitted during 1921:—

| | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|
| Colonial | ... | ... | ... | ... | ... | 100 |
| Perak | ... | ... | ... | ... | ... | 64 |
| Selangor | ... | ... | ... | ... | ... | 30 |
| Kedah | ... | ... | ... | ... | ... | 23 |
| | | | | | — | 217 |

Total inmates ... 655

| | | | | |
|------------------------------------|-----|-----|-----|------|
| Discharged during 1921 ... | ... | ... | ... | Nil. |
| Absconded during 1921 :— | | | | |
| Colonial ... | ... | ... | ... | 2 |
| Perak ... | ... | ... | ... | I |
| Selangor ... | ... | ... | ... | Nil. |
| Kedah ... | ... | ... | ... | I |
| | | | — | 4 |
| Transferred during 1921 ... | ... | ... | ... | Nil. |
| Deaths during 1921 :— | | | | |
| Colonial ... | ... | ... | ... | 74 |
| Perak ... | ... | ... | ... | 80 |
| Selangor ... | ... | ... | ... | 33 |
| Kedah ... | ... | ... | ... | 14 |
| | | | — | 201 |
| Remained on 31st December, 1921 :— | | | | |
| Colonial ... | ... | ... | ... | 218 |
| Perak ... | ... | ... | ... | 157 |
| Selangor ... | ... | ... | ... | 51 |
| Kedah ... | ... | ... | ... | 24 |
| | | | — | 450 |

Staff.—(a) The health of the staff has been good.

(b) Mr. A. H. WHEATLEY continued as Resident Assistant Surgeon throughout 1921.

Inmates.—The general health of the inmates was good owing to the absence of any epidemic such as Influenza and to the increased number who were treated for Leprosy. At the end of the year there were 146 undergoing special treatment.

The inmates are now becoming convinced that with regular and sustained treatment Leprosy can be alleviated and even cured.

Water Service.—There was no shortage of supply during the year.

The total rainfall was 2,627 millimetres. The average annual rainfall for previous 5 years is 2,016 millimetres. The extension to the reservoir in the Asylum has not been completed. A new kitchen is being erected.

Donation.—Gifts of cake and fruit to the inmates were kindly provided at Christmas by the Methodist Mission, Penang.

The tables appended are :—

(a) Giving the numbers of admissions, total number of deaths, and the daily average for 1921.

(b) Giving the nationality of the inmates.

TABLE A.

SHOWING THE NUMBER OF ADMISSIONS, TOTAL NUMBER OF DEATHS, TOTAL NUMBER OF INMATES AND THE DAILY AVERAGE FOR 1921.

| Year. | Remained from previous year. | Admissions. | | | | Total. | Deaths. | Percent- age of Deaths. | Daily average patients. |
|-------|------------------------------|-------------|--------|-----------|--------|--------|---------|-------------------------------|-------------------------------|
| | | Colonial. | Perak. | Selangor. | Kedah. | | | | |
| 1921. | 438 | 100 | 64 | 30 | 23 | 655 | 201 | 30.68 | 440.53 |

TABLE B.
SHOWING THE NATIONALITY OF INMATES FOR 1921.

| Nationality. | Colonial. | Perak. | Selangor. | Kedah. | Total. |
|------------------------|-----------|--------|-----------|--------|--------|
| Chinese ... | 247 | 213 | 82 | 28 | 570 |
| Eurasian ... | 6 | 1 | ... | ... | 7 |
| Malay and Javanese ... | 1 | 1 | 1 | ... | 3 |
| Tamil ... | 37 | 23 | 1 | 11 | 72 |
| Kling Islam ... | 3 | ... | ... | ... | 3 |
| Total ... | 294 | 238 | 84 | 39 | 655 |

PROVINCE WELLESLEY.

REPORT BY DR. J. R. McVAIL, M.B., ch.B. (Glasgow), *Medical and Health Officer-in-charge.*

Infantile Mortality.—The rate per mille for the year under consideration was 104·12 against 100·20 for the previous year and 101·35 for 1919.

Zymotic Diseases.—Notifiable infectious diseases show a marked decrease when compared with the figures of the previous years as per the following table:—

| | 1917. | 1918. | 1919. | 1920. | 1921. |
|-------------------------------|-------|-------|-------|-------|-------|
| Variola ... | 331 | 112 | 65 | 7 | 5 |
| Varicella ... | 38 | 35 | 18 | 27 | 16 |
| Puerperal Fever ... | 1 | 2 | 1 | 2 | — |
| Cholera .. | 2 | — | 13 | 3 | 4 |
| Cerebro-spinal Meningitis ... | — | — | — | — | 1 |

Malaria.—Admissions to Government Hospitals were 606 with a death rate of 8·25 per cent against 455 cases with a death rate of 5·93 per cent for the previous year.

In Estate Hospitals there were 521 admissions with a death rate of 0·57 per cent against 524 cases with a death-rate of 0·76 per cent (Ankylostomiasis). Two hundred and twenty-three cases with a death rate of 21·52 per cent were admitted to Government Hospitals against 240 cases with a death rate of 11·25 per cent for the previous year. Out of the 223 cases admitted 112 cases occurred in the Southern District with 26 deaths. Fifty-two cases were treated in Estate Hospitals with a death-rate of 13·46 per cent.

Diarrhoea and Dysentery.—Government Hospitals treated 199 cases with a death-rate of 28·14 per cent against 166 cases with a death-rate of 33·73 per cent for the previous year. Estate Hospital figures are 242 cases with a death-rate of 16·52 per cent against 271 cases with a death-rate of 23·24 per cent for the year 1920.

Phthisis accounted for 75 cases with a death-rate of 44 per cent in the Government Hospitals against 72 cases with a death-rate of 47·22 per cent for 1920. Figures for similar periods from Estate Hospitals show 22 cases treated with a death-rate of 50 per cent for the year 1921, and 16 cases with a death-rate of 37·5 per cent for 1920.

Venereal Disease.—One hundred and sixty cases were admitted to hospital wards in 1921 with two deaths against 212 cases with 7 deaths in 1920. The Out-patient department dealt with 195 cases against 137 cases in 1920.

The following table gives the total number of patients treated in the Government Hospitals and Outdoor Dispensaries together with a comparative statement of the previous three years:—

| <i>Year.</i> | | <i>Admissions.</i> | <i>Death Rate.</i> | <i>Out-Patients.</i> |
|--------------|-----|--------------------|--------------------|----------------------|
| 1918 | ... | 3,681 | 12'07 | 4,669 |
| 1919 | ... | 2,935 | 9'50 | 3,745 |
| 1920 | ... | 3,272 | 8'69 | 4,225 |
| 1921 | ... | 3,124 | 9'25 | 6,337 |

The subjoined statement shows the number of primary vaccinations compared with births during the past five years.

| <i>Year.</i> | | <i>Births.</i> | <i>Vaccinations.</i> | <i>Ratio.</i> |
|--------------|-----|----------------|----------------------|---------------|
| 1917 | ... | 4,484 | 3,645 | 81'29 |
| 1918 | ... | 4,100 | 3,307 | 80'48 |
| 1919 | ... | 4,361 | 3,873 | 94'25 |
| 1920 | ... | 4,391 | 3,410 | 77'65 |
| 1921 | ... | 4,624 | 3,779 | 81'72 |

Rainfall.—The mean total rainfall of the four recording stations in the Province was 2,350'75 m.m. against 2,203'32 m.m. for 1920.

Water Supply.—The Bukit Seryah and Bukit Panchor Reservoirs were maintained in order. Most of the pipes required for augmenting the water supply for Prai and Butterworth have been delivered.

Reclamation Works.—Four and a half acres of Crown land at Butterworth was reclaimed with sand filling. This work was commenced last year.

Health Work.—During the year periodic visits have been paid to estates, villages and Police stations and half-yearly reports furnished as regards estates. Most estates have adopted the Government type of Estate latrines.

Staff.—Dr. HARRISON was in charge throughout the year.

BUTTERWORTH HOSPITAL.

Work Done.—(a) Sixty-four patients remained from the previous year, which with 1,330 admissions during the year makes a total of 1,394 cases treated as against 1,519 for 1920. The average daily number of sick was 63'72. Sixty-six remained on 31st December. One hundred and forty-nine operations were performed during the year of which 105 were cured, 42 relieved and 2 died.

BUKIT MERTAJAM HOSPITAL.

Work Done.—Forty-four patients remained from the previous year, which with 956 admissions during the year makes a total of 1,000 treated as against 996 during 1920. The average daily number of sick was 56'8 as compared with 44'08 in 1920. The number of deaths amounted to 108, of these 25 died within 48 hours of admission. Fifty-eight patients remained at the end of the year. Nine hundred and fifty-six stools were examined of which 159 showed ova of *Ankylostoma*. The blood of all patients (956) was examined; 248 showed Benign-Tertian infection and 38 contained Malignant Tertian parasites.

SUNGEI BAKAP HOSPITAL.

Hospital Statistics.—There were 40 patients remaining at the beginning of the year, 690 patients were admitted during the year, making a total of 730 as against 757 in 1920.

Percentage of deaths to total treated was 9·43. There were 24 deaths within 48 hours which brings down the percentage to 4·79. The average daily number of sick during the year was 28·052. At the end of the year 38 patients remained in Hospital.

MALACCA HOSPITALS.

REPORT BY DR. RICHARD DESMOND FITZGERALD, M.C., B.A., M.B. B.Ch., D.T.M.
AND H., Acting Chief Medical Officer.

| | \$ | c. |
|--|---------|----|
| The total revenue of the department for 1921 was | 20,262 | 94 |
| The expenditure | 209,360 | 59 |

The population of Malacca is composed as follows:—

| | | | | | |
|-----------|-----|-----|-----|-----|----------------|
| Europeans | ... | ... | ... | ... | 395 |
| Eurasians | ... | ... | ... | ... | 2,000 |
| Chinese | ... | ... | ... | ... | 46,083 |
| Malays | ... | ... | ... | ... | 102,452 |
| Indians | ... | ... | ... | ... | 9,751 |
| Others | ... | ... | ... | ... | 557 |
| | | | | | <u>161,238</u> |

Births.—The total number of births for 1921 were 6,104 as compared with 5,315 births in 1920, 5,934 in 1919 and 5,300 in 1918.

The following table shows the nationalities:—

| | Male. | Female. | Total. |
|-----------|--------------|--------------|--------------|
| Europeans | 7 | 3 | 10 |
| Eurasians | 34 | 52 | 86 |
| Chinese | 758 | 648 | 1,406 |
| Malays | 2,075 | 1,946 | 4,021 |
| Indians | 201 | 220 | 430 |
| Others | 76 | 75 | 151 |
| Total | <u>3,151</u> | <u>2,953</u> | <u>6,104</u> |

The birth-rate per mille was 37·86.

Deaths.—Four thousand four hundred and sixty-eight deaths was registered during the year as compared with 4,898 in 1920, 4,970 in 1919 and 7,633 in 1918.

The following table shows the nationalities:—

| | Male. | Female. | Total. |
|-----------|--------------|--------------|--------------|
| Europeans | — | 1 | 1 |
| Eurasians | 17 | 26 | 43 |
| Chinese | 982 | 313 | 1,295 |
| Malays | 1,221 | 1,161 | 2,382 |
| Indians | 428 | 235 | 663 |
| Others | 65 | 19 | 64 |
| Total | <u>2,713</u> | <u>1,755</u> | <u>4,468</u> |

Comparison of death-rate with the preceding five years:—

| | | | | | | |
|------|-----|-----|-----|-----|-----|-------|
| 1921 | ... | ... | ... | ... | ... | 27'71 |
| 1920 | ... | ... | ... | ... | ... | 31'18 |
| 1919 | ... | ... | ... | ... | ... | 32'48 |
| 1918 | ... | ... | ... | ... | ... | 50'04 |
| 1917 | ... | ... | ... | ... | ... | 48'97 |
| 1916 | ... | ... | ... | ... | ... | 37'38 |

Vaccinations.—The total number of vaccinations performed was 15,001.

Municipality.—The estimated population for the Municipality for 1921 is 30,671. There were 975 births and 758 deaths within the Municipal limits.

DURIAN DAUN HOSPITAL.

A. Paying Wards.

The year's work.—

| | | | |
|----------------------------------|-----|-----|-------|
| Remained on 31st December, 1920 | ... | ... | 75 |
| Admitted during the year | ... | ... | 1,398 |
| Discharged | ... | ... | 1,278 |
| Transferred | ... | ... | 26 |
| Absconded | ... | ... | 8 |
| Died | ... | ... | 94 |
| Remaining on 31st December, 1921 | ... | ... | 67 |

The daily average number of sick was 72'50.

The number of deaths within 48 hours of admission was 28.

The percentage of deaths to total treated was 6'38.

The percentage excluding those dying within 48 hours of admission was 4'56.

The number of Europeans admitted during the year was 116 males and 27 females. There was one death—a case admitted suffering from puerperal septicæmia and retained placenta.

The principal diseases treated and their mortalities were:—

| <i>Diseases.</i> | <i>Total cases treated.</i> | | <i>Deaths.</i> |
|-------------------|-----------------------------|-----|----------------|
| Malaria | ... | 370 | 21 |
| Ankylostomiasis | ... | 124 | 15 |
| Beri-beri | ... | 13 | 0 |
| Dysentery | ... | 72 | 21 |
| Pneumonia Lobar | ... | 21 | 4 |
| Broncho-Pneumonia | ... | 12 | 3 |
| Syphilis | ... | 54 | 0 |
| Gonorrhœa | ... | 31 | 0 |
| Tuberculosis | ... | 25 | 6 |
| Ulcer | ... | 91 | 0 |
| Wounds | ... | 193 | 4 |

B. Free Wards.

| | | |
|--|-----|--------|
| Remained on 31st December, 1920 | ... | 163 |
| Admitted during the year 1921 | ... | 1,880 |
| Discharged | ... | 1,585 |
| Transferred | ... | Nil. |
| Absconded | ... | 23 |
| Died | ... | 273 |
| Remaining on 31st December, 1921 | ... | 162 |
| The average daily number of sick was | ... | 199'48 |
| Percentage of deaths to total treated was | ... | 13'36 |
| Number of deaths within 48 hours was | ... | 44 |
| The percentage of deaths to total treated excluding those dying within 48 hours of admission was | ... | 11'45 |

The principal diseases treated with their mortalities were:—

| <i>Diseases.</i> | <i>Total cases treated.</i> | <i>Deaths.</i> |
|--------------------------|-----------------------------|----------------|
| Malaria | 455 | 54 |
| Ankylostomiasis | 338 | 71 |
| Beri-beri | 131 | 9 |
| Dysentery | 97 | 29 |
| Pneumonia Lobar | 56 | 13 |
| Broncho-Pneumonia | 15 | 3 |
| Syphilis | 238 | 2 |
| Gonorrhœa | 52 | 0 |
| Tuberculosis | 135 | 46 |
| Ulcer | 427 | 0 |
| Wounds | 39 | 0 |

Report on Surgery during the year 1921.

There were 1,367 surgical operations performed during the year—ninety three major operations and 1,274 minor operations.

QUARANTINE CAMP.

Total number of cases admitted for treatment 25. Thirteen of these were lepers and nine had chicken-pox.

JASIN HOSPITAL.

Staff.—Assistant Surgeon Veerasingam was in charge until 29th March, 1921, when he was relived by H. R. Saravanamuthu.—

| | |
|--|-------|
| Remaining on 31st December, 1920 | 47 |
| Total number of admissions during 1921 | 728 |
| „ of discharges, etc. | 652 |
| „ of deaths | 80 |
| Remaining on 31st December, 1921 | 43 |
| The daily average number of sick was | 51.96 |
| The percentage of death to total treated | 10.32 |
| The number of deaths within 48 hours of admission was | 17 |

The percentage of deaths to total treated excluding those dying within 48 hours of admission was 8.12. There was one case of Blackwater fever:—

| <i>Diseases.</i> | <i>No. of cases.</i> | <i>No. of deaths.</i> |
|--------------------------|----------------------|-----------------------|
| Malaria Malignant | 116 | 15 |
| „ Benign Tertian | 65 | 4 |
| „ Chronic | 18 | 2 |
| Dysentery | 27 | 6 |
| Ankylostomiasis | 54 | 13 |
| Beri-beri | 6 | Nil |
| Broncho Pneumonia | 29 | 5 |
| Pneumonia Lobar | 7 | 4 |
| Phthisis | 12 | 7 |
| Ulcers | 70 | 1 |

| | |
|---|------------|
| Total number of Estate Coolies treated | 215 |
| „ of Government Servants treated | 107 |
| „ of other Paying Cases treated | 10 |
| „ of Free Cases treated | 443 |
| Total | 775 |

PRISON HOSPITAL.

The number of admissions during the year was 92 and the number of deaths 3, namely one each from dysentery, malarial fever and phthisis.

THE MALACCA AGRICULTURAL MEDICAL BOARD.

This Board has, notwithstanding difficulties and some opposition, enhanced its reputation.

Malarial surveys have been made on all unhealthy estates, and much has been done to improve unhealthy coolie lines. Estates have been visited with regularity; works in the nature of sub-soil drainage have had to be postponed on most Estates owing to the financial crisis.

The two great difficulties which have been met with during the year are shortage of staff, and uncertainty of collection of assessment owing to depression in the rubber growing industry.

With regard to the former it will be remembered that the Board in 1920 lost the services of Doctors RATTRAY and SCHARFF. Dr. T. CLARKE who was engaged to fill one vacancy resigned in February, 1921. Dr. JUDSON who came out from England in June resigned in August.

Doctors FERGUSON, AMNER and FISHER worked throughout the year.

A Chinese Doctor, Mr. TAN SENG TEE, was engaged as a part-time Medical Officer on 7th February, 1921, and employed throughout the remainder of the year in visiting Chinese estates.

Another Chinese Medical Officer (whole time) is being engaged and Dr. MCPHERSON who has had 10 years' local experience is expected in February, 1922.

Difficulty is still experienced by Medical Officers in identifying Chinese estates. It is hoped that eventually all these estates will put up a suitable signboard at the entrance to the plantation.

With a staff of four Europeans and 2 Chinese Medical Officers, consisting of the right type of men, and provided that the Estates are in a financial position to carry out recommendations, the Malacca Agricultural Medical Board can carry out the work which has been entrusted to it by Government.

OUTDOOR DISPENSARIES.**SINGAPORE.**

(North Canal Road.)

1. Assistant Surgeon K. C. SINHA was in charge.

The number of patients treated during the year was 14,112. Of this number 5,436 were out-patients of the Singapore Police Force.

The number of attendances was 34,899 as compared with 16,770 in the year before.

The Dispensary was open for 296 days with an average daily attendance of 117.18 as against 56.46 in the previous year.

Out of 14,112 patients treated, 5,931 were paying patients, 6,801 Government servants and their families, and 1,380 indigent patients.

2. The nationalities of those treated were as follows:—

| | | | <i>Males.</i> | <i>Females.</i> |
|-----------|-----|-----|---------------|-----------------|
| Europeans | ... | ... | 78 | 17 |
| Eurasians | ... | ... | 111 | 55 |
| Chinese | ... | ... | 4,734 | 1,065 |
| Malays | ... | ... | 3,854 | 199 |
| Indians | ... | ... | 3,591 | 308 |
| Others | ... | ... | 82 | 18 |
| Total | | | 12,450 | 1,662 |

3. The principal diseases treated were:—

| | | | | |
|------------------------|-----|-----|-----|-------|
| Malaria | ... | ... | ... | 682 |
| Pyrexia | ... | ... | ... | 1,895 |
| Beri-beri | ... | ... | ... | 36 |
| Neuritis | ... | ... | ... | 191 |
| Dysentery | ... | ... | ... | 64 |
| Other Bowel complaints | ... | ... | ... | 947 |
| Pneumonia | ... | ... | ... | 32 |
| Broncho-Pneumonia | ... | ... | ... | 72 |
| Phthisis | ... | ... | ... | 62 |
| Bronchitis | ... | ... | ... | 1,024 |
| Venereal Diseases | ... | ... | ... | 898 |
| Parasitic Diseases | ... | ... | ... | 1,157 |
| Skin Diseases | ... | ... | ... | 850 |
| Ulcers | ... | ... | ... | 1,207 |
| Wounds and Injuries | ... | ... | ... | 1,233 |
| Burn and Scald | ... | ... | ... | 92 |
| Eye Disease | ... | ... | ... | 316 |
| Cellulitis | ... | ... | ... | 49 |
| Abscess | ... | ... | ... | 225 |
| Rheumatism | ... | ... | ... | 259 |
| Myalgia | ... | ... | ... | 571 |
| Neuralgia | ... | ... | ... | 76 |

KANDANG KERBAU.

Government Outdoor Dispensary.

Five thousand seven hundred and ninety-five persons were treated here during the year, of whom 496 women and children were attended by the Lady Medical Officer. Six thousand eight hundred and thirty-six visits were paid.

PENANG.

Chowrasta Dispensary.

The patients treated during the year numbered 8,899 against 8,734 in 1920.

The Dispensary was open for 311 days, the daily average number of visits being 50·21, that of 1920 being 45·40.

The principal diseases treated as compared with that of the preceding year were as follows:—

| | | | 1920. | 1921. |
|-------------------|-----|-----|-------|-------|
| | | | — | — |
| Beri-beri | ... | ... | 1 | 13 |
| Influenza | ... | ... | 20 | 71 |
| Dysentery | ... | ... | 27 | 68 |
| Malaria | ... | ... | 167 | 204 |
| Pyrexia | ... | ... | 1,736 | 1,688 |
| Venereal Diseases | ... | ... | 391 | 991 |
| Bronchitis | ... | ... | 372 | 565 |
| Diarrhoea | ... | ... | 208 | 222 |
| Ulcers | ... | ... | 1,474 | 984 |
| Injuries | ... | ... | 755 | 487 |

Nationalities of those treated comprised:—

| | | | 1920. | 1921. |
|-----------|-----|-----|-------|-------|
| | | | — | — |
| Europeans | ... | ... | 12 | 10 |
| Eurasians | ... | ... | 293 | 295 |
| Chinese | ... | ... | 2,337 | 2,604 |
| Malays | ... | ... | 2,837 | 3,221 |
| Indians | ... | ... | 3,017 | 2,761 |
| Others | ... | ... | 238 | 10 |

Outdoor Dispensary, Lumut.

The total number treated was 830 cases as against 658 of last year. Of these 390 were Malays, a marked increase.

Of the total cases 238 were for Malaria and 96 for Yaws.

The principal village and all schools were regularly visited and free drugs were given to the sick.

Outdoor Dispensary, Balik Pulau.

During the year 2,737 persons presented themselves for treatment at the Outdoor Dispensary at Balik Pulau and also at Bayan Lepas, in the Police Station once a week, as compared with 1,477 of the previous year.

From April, 1921, all the Vernacular Schools in the District were visited and the children treated as required.

Outdoor Dispensary, Butterworth.

Butterworth: 2,032 cases including 282 Malays were treated during the year as against 1,705 in 1920. The number of visits paid was 3,501. 752 Government Officers were treated, the majority of these being employees of the Federated Malay States Railways. The receipts for the year amounted to \$728.39 as compared with \$432.50 for 1920.

An outdoor dispensary was started at Penaga during the month of October, 1921, a room in the Police Station being used for the purpose. The Senior Dressor, Butterworth Hospital, attends there twice a week. The number of patients in October was 133, in December 274. The total number treated during the three months (October—December) amounted to 644, of whom 508 were Malays.

Outdoor Dispensary, Bukit Mertajam.

The number of patients treated during the year was 1,952 including 497 Malays, as compared with 1,393 in 1920.

Outdoor Dispensary, Sungei Bakap.

One thousand and seventy-two patients including 168 Malays were treated as against 835 in 1920.

Outdoor Dispensary, Nibong Tebal.

Six hundred and thirty-seven patients including 122 Malays attended for treatment as against 292 for 1920. Of these 224 were Government Servants, 207 were paying attendants and 206 were indigent.

The average daily number of visits was 7.93, against 2.06 in 1920. Collections amounted to 54.35, as against \$27.65 in 1920.

MALACCA.**Malacca Outdoor Dispensary.**

This was under the charge of Mr. R. M. NUNIS throughout the year.

Three thousand nine hundred and thirty-five cases including 995 Malays were treated in the Dispensary as compared with 3,539 in 1920.

Alor Gajah Dispensary.

During the year 339 cases received treatment in the Out-patient Dispensary—males 304, and females 35. The majority were Malays.

The Dresser in charge was chiefly occupied in doing vaccinations.

GOVERNMENT HEALTH BRANCH.**ANNUAL REPORT ON SINGAPORE, 1921.**

BY DR. G. E. BROOKE, M.A., L.R.C.P., D.P.H., *Chief Health Officer, Singapore.*

Mrs. GILMORE acted as Sister in Charge until the 4th April when she died. She had rendered long and useful service to the Government and her death proved a great loss to this Branch.

Shipping.

1. During the year 1851 visits were paid to ships, and the numbers of crew and passengers examined were 153,719 and 358,028 respectively. Eighteen ships were infected as follows:—

| | | <i>Small-Pox.</i> | <i>Influenza.</i> | <i>C. S. M.</i> | <i>Remarks.</i> |
|-----------|-----|-------------------|-------------------|-----------------|-----------------|
| | | — | — | — | — |
| Hongkong | ... | 4 | — | 1 | — |
| Madras | ... | — | — | 1 | — |
| Sourabaya | ... | 1 | — | — | — |
| Bombay | ... | 1 | 2 | — | — |
| Jeddah | ... | 4 | — | — | — |
| Penang | ... | 1 | — | — | — |
| Indragiri | ... | 1 | — | — | — |
| Swatow | ... | — | — | 1 | — |
| Singapore | ... | 1 | — | — | — |
| | | — | — | — | — |
| Total | ... | 13 | 2 | 3 | — |
| | | — | — | — | — |

2. Two hundred and thirty-two Immigrant ships bringing coolies from Amoy, Swatow, Hongkong and Hoihow were boarded, and the total number of 182,275 immigrants examined. Only three of these ships were infected. One from Hongkong with Small-pox, one from Hongkong with Cerebro-spinal Meningitis and one from Swatow with Cerebro-spinal Meningitis.

3. Eleven pilgrim ships were boarded on arrival, and 9,316 pilgrims inspected. Of these, five ships were infected with Small-pox. There were 12 outgoing pilgrim ships on which 9,864 pilgrims were examined at the Wharf and Bills of Health issued in each case.

4. Eighty-three corpses were inspected on ships, twakows, or sampans in the Harbour, and sent to St. John's for post-mortem where necessary.

5. Forty-three water-boats supplying the shipping of the port were examined and certified as fit.

6. The disinfection launches, *Hygeia* and *Crow*, were used on 731 occasions for the fumigation of infected ships and ships requiring disinfection prior to departure. They were also used on seven occasions for the conveyance of heavy luggage and for change of the St. John's Police Guard.

Office Work.

7. Bills of Health to the number of 2,951 were issued, representing a revenue of nearly \$15,000.

8. The number of disinfection certificates issued was 740, representing a revenue of \$7,400.

9. Permits for the export or import of human remains were granted in 42 instances, representing a revenue of \$420.

10. The total revenue of the branch was, therefore, in the neighbourhood of \$22,709.

11. Exemption permits were issued to 175 vessels (T. S. Certificate).

12. Sixteen Bonds for the surveyance of passengers ashore were sent by relatives of friends of passengers, and lodged with the branch.

13. Passes to the number of 51 were issued to cabin passengers to secure their observation by either the Municipal Health Officer, Police or Military Surgeon as the case might be.

14. Eighty-three outdoor patients, chiefly from the Marine Department, received treatment, and were granted leave where necessary.

15. Six prosecutions were instituted. One against the Master of s.s. *Lake Fielding* for not carrying a qualified medical practitioner. He was fined \$50 and costs. The second was against the Master of s.s. *Soon Ann* for failing to register the death of one of the ship's officers. He was discharged. The other four concerned the Rural Areas for concealing Small-pox cases. These resulted in fines amounting to \$75.

16. Twenty-two ports were declared infected or suspected for various diseases.

17. Singapore is now the 6th largest world port. Vessels arrived from 265 ports during 1921. The magnitude of the port and its world-wide trade demand very special vigilance on the part of the Health Branch.

18. In 19 years we have paid 28,818 visits to ships and inspected 7,464,937 crew and passengers.

Quarantine Station.

19. The total passengers admitted during the year only amounted to 8,950 — an exceptionally small number due to the healthiness of the coolie ports. The greatest number in residence on any one day was 2,947 on the 10th October.

20. The total sick remaining in the Quarantine Station Hospital, and admitted during the year, amounted to 311.

21. There were 69 deaths in Hospital, giving a death-rate of 22.18 per cent.

22. Forty-seven passengers died in the camps; and four corpses were sent from ships or shore for post-mortem examination and burial.

23. Of the cases treated, there were not many suffering from infectious disease. No. plague or cholera occurred: and only 32 cases of small-pox were admitted of which eight died. These small-pox cases were all amongst Hadjis returning from Mecca in September and October, 5,242 being landed for quarantine. Many of these pilgrims were half-starved and much exhausted. Minor ailments, such as scabies, ringworm, conjunctivitis, etc., were very common; and a great many cases of beri-beri were noted.

24. Eight contacts gave birth to children during their residence, of whom seven were Malays and one a Chinese.

25. The European Hospital (five small wards) was used by four patients—one German measles, two malaria, and one with a rash of uncertain etiology.

26. We were able to assist the Municipality by quarantining 323 of their cerebro-spinal contacts—none of whom developed the disease.

27. Government contacts from Islands or Rural Districts to the number of 48 were detained for observation. Six of these were cerebro-spinal contacts and the rest were small-pox. One of the small-pox contacts developed the disease during the period of observation.

28. Passengers from 80 non-infected ships were detained to complete their quarantine period: none of them developed any infectious disease.

29. Passengers from 17 infected ships were detained. Those from two of these ships subsequently developed further cases.

30. Seven thousand one hundred and twenty-four vaccinations were performed on the Station.

31. The distilling plant was used sufficiently often to keep it in good order, and 91,050 gallons of seawater were distilled and pumped into the reservoir. The price of wood is gradually coming down, but is still too high to warrant the distillation of all the water required.

32. Singapore water to the amount of 846,000 gallons was obtained from Messrs. Hammer & Co., and pumped direct into the service reservoir. The water was of good quality.

33. The reservoir was kept in good order and the service was satisfactory.


34. A substantial iron fence for the subdivision of camps was completed during the year, and has proved a very satisfactory substitute for the dilapidated barbed wire fence which had been in use for many years. It is now possible to isolate shiploads satisfactorily.

35. In April a fixed police force of 21 Sikh "Additional-constables" was substituted for the Guard of the Town Force which for many years had been used for St. John's and relieved monthly. A Lance-Corporal from Singapore now takes charge of this permanent guard, and is relieved monthly.

36. Much has been done by the Health Officer with the help of the Lay Superintendent and Staff in improving the drainage, grading and afforestation of the station.

37. Over three hundred trees have been planted, obtained from Botanic Garden seedlings, or from locally grown seed. These afford grateful shade to the large numbers of contacts who have to spend most of their day out of doors in their camps; and at the same time serve to purify the air and reduce the temperature.

38. Surface and sub-soil drainage has received considerable attention. An experiment was made early in the year to put sub-soil drainage on a more scientific basis than is secured by the use of round agricultural pipes. The latter are very apt to get choked by silt-root, etc., or disconnected by subsidence of the soil. It therefore seemed to me that an inverted half-pipe section would be the most reasonable solution, in that it would protect the channel from the pressure above, and at the same time tend to keep itself automatically clear, since the water naturally wears its own channel in the earthen bed.

The plan was carried out with bent corrugated iron sheets, giving lateral flanges to prevent subsidence, *e.g.* . This experiment proved satisfactory, and the sub-soil drainage flowed freely throughout the year. I am at present getting samples of the same type, made in concrete by Mr. DUNMAN of Tanjong Katong; if they prove to be satisfactory, I shall try the adoption of them in rural work.

Rural.

39. The rural work during the year has been in charge of the Rural Health Officer, Dr. SCHARFF: results are now beginning to show.

40. The Rural population was 68,034. The deaths for the year totalled 2,164, and the births 1,942, giving crude rates per mille of 36·8 and 33·1 respectively.

41. With the exception of a slight small-pox epidemic, the only infectious cases in rural areas during the year consisted of: two cases of chicken-pox, one case of plague, one case of enteric fever and three scattered cases of cerebro-spinal meningitis of a mild strain. No clue was found as to the origin of the plague case; no infected rats were discovered.

42. Small-pox began by a case at Paya Lebar on July 28th; and 35 cases in all were reported or found in rural areas up to the end of the year, chiefly in an area with Gaylang as a centre, and Serangoon and Siglap on the periphery. This area was promptly dealt with by removal of the sick, isolation of contacts, and general house-to-house inspection and vaccination. Nine of these cases were found to have been concealed, and prosecutions resulted in four convictions. The remaining nine cases were isolated ones, chiefly at Pasir Panjang, and were probably derived from Singapore Town. At no time did the epidemic give any cause for anxiety; in fact the whole total (147) in town and island for the year was far short of any single week's total in Calcutta, at any time during the first three months of 1920.

43. The total vaccinations, including those at the Quarantine Station, were 11,998. Of these 217 were done at the Government Health Office where Government Officers were invited to attend.

44. Villages throughout the Island were cleaned up, houses whitewashed, and general mosquito-control established—the number of houses inspected being 10,501.

45. Twenty-six incinerators were built at suitable spots, and have proved very valuable—about 469,386 cubic ft. of refuse being burnt therein.

46. The medical as well as the sanitary control of the Police Stations in the Rural District was handed over to the Health Branch. Re-vaccination of all the police was completed. Five sick policemen were visited, and one was found to be suffering from small-pox.

47. Anti-malarial work occupied much attention. The investigation of *maculatus* breeding grounds brought to light the chief danger areas of the Island, chiefly at Woodlands, Bukit Timah and Pulau Ubin. Action was taken in each case. Clearing and sub-soil draining, supplemented by regular oiling, resulted in the entire disappearance of *maculatus* in the Woodlands district, to the great improvement of the health of the Police Station and neighbourhood. Oiling and drainage were also carried out at Bukit Timah and Pulau Ubin.

48. Anti-mosquito work was regularly carried out by the Sanitary Inspectors in all villages, and household breeding sources kept under constant observation. Drainage of pools and swamps in Siglap, Bukit Timah, Bukit Panjang, Paya Lebar, Pasir Panjang and Seletar was carried out by specially trained coolies conveyed from place to place by a Public Works Department motor lorry. Owing to the absence of definite compounds and the proximity of jungle to many of the houses in rural areas, a larval index has not

the same value as it would have in urban districts, and has not therefore been undertaken, but I have noticed a very great improvement in villages, which are now comparatively clean and tidy.

49. Monthly Mosquito Surveys were made at the General Hospital, and at Tan Tock Seng Hospital, with a view to determining the visiting species at different monsoon periods, and at different hours of the night. The work was carried out partly by Dr. SCHARFF and partly by myself. Monthly visits were paid both between the hours of seven and eight P.M. and also after midnight. The hour of the night does not apparently make much difference to the species of mosquito found, but it was noted that the percentage of *Mansonia annulifera* to other species at Tan Tock Seng became very much less after midnight. On the whole the number of mosquitoes at the General Hospital was remarkably few—and anophelines at both hospitals were fortunately rare. The main fauna remain undisturbed by the change of monsoon. The commonest night mosquitoes at Tan Tock Seng are: *Mansonia annulifera* and *Culex fatigans*. At the General Hospital: *Culex fatigans* and *Tæniorrhynchusager*.

50. The rural milk supplies derived chiefly from centres at Gaylang, Changi, Tampenis and Bukit Timah were kept under observation, and the condition of the cowsheds much improved.

51. *Food and Drugs*.—Information having been given that a shipment of bad tinned salmon was about to arrive, an investigation of samples from 30,282 cases was made, and 500 of these were destroyed as being unfit for human consumption.

52. *Sanitary Inspectors*.—The need for more active and controlled health work in rural districts has become increasingly obvious. I therefore divided the island (extra-municipal) into five sanitary divisions, each sufficiently large to require the services of a Sanitary Inspector, the most important village in each division to be considered as its headquarters. No trained men were however available and it was necessary therefore to train five men ourselves. By arrangement with the Royal Sanitary Institute in London, that Body agreed to a syllabus on the lines they had adopted in Bombay. A convenient centre was found in the old Jalan Klapa Dispensary, and the building was reconstructed to form lecture room, laboratory, store rooms offices, etc. The six months' course began on May 1st and the Depôt was formally opened by H. E. Sir LAURENCE GUILLEMARD on July, 14th. Five probationary candidates were selected from applicants and signed agreements with the Government.

Three other Inspectors, already in the Government Service, attended a number of the lectures and demonstrations. The training consisted of practical work in the field in the morning, the afternoon being devoted to lectures and practical laboratory work. An examination was held on December, 8th, 9th and 10th in which three candidates were successful: JOHN SCHINDLER de VILLIERS, RALPH EARNEST STANLEY, and WILLIAM REYNOLD ANGUS—each of whom obtained a certificate of the Institute.

53. Approval was obtained to erect five dispensaries, one in each of the divisional headquarter villages. Two of these were begun during the year. The idea of these dispensaries is to provide medical advice by resident Assistant Surgeons in centres of growing rural importance, and to serve at the same time as a residence for the Sanitary Inspector in the neighbourhood of his work.

54. *The Committee on Sanitary Education*, which was appointed in November, 1918, did not hold any meetings during 1921, but to part of their policy effect was given by the delivery of a course of twelve lectures in Hygiene to 162 school teachers, given by me in the large hall of Raffles Institution.

ANNUAL HEALTH REPORT.

PENANG.

By DR. F. R. SAYERS, M.D., D.P.H. (Dublin), *Senior Health Officer, Penang.*

1. The Rural Areas of the Island were free from "dangerous infectious disease" except for two cases of Small-pox in Balik Pulau District. Ten thousand six hundred and sixty-one vaccinations or re-vaccinations were performed by the Government Vaccinators.

Port.

2. Dr. MARTIN was Port Health Officer throughout the year.

Four hundred and sixty-one ships were inspected and 58,491 crew units and 137,957 passengers were examined.

Six pilgrim ships carrying 6,389 pilgrims to Jeddah were examined.

Six pilgrim ships bringing 5,185 pilgrims from Jeddah arrived; of these 5 were infected with small-pox.

Nine ships infected with dangerous infectious disease arrived here as follows:—

6th May, 1921: s. s. *Thongwa* from Madras with Cerebro-Spinal Meningitis.

18th June, 1921: s. s. *Lai Sang* from Calcutta with Cholera.

18th June, 1921: s. s. *Syria* from Colombo with Small-pox.

4th August, 1921: s. s. *Thongwa* from Madras with Cholera.

10th September, 1921: s. s. *Titan* from Jeddah with Small-pox.

16th September, 1921: s. s. *Agapenor* from Jeddah with Small-pox.

19th September, 1921: s. s. *Antilochus* from Jeddah with Small-pox.

26th September, 1921: s. s. *Peleus* from Jeddah with Small-pox.

27th October, 1921: s. s. *Orestes* from Jeddah with Small-pox.

The disinfecting launch *Kite* was used 12 times as compared with 156 times in 1920, this decrease being due to the fact that the Dutch Indies ceased to consider Penang infected with Plague. Ten permits to bury ashore corpses from ships or tongkangs, 10 permits to import, export or tranship coffins, 390 Bills of Health, and 8 Disinfection Certificates were issued during the year.

Quarantine Station, Pulau Jerejak.

3. During the year 19,653 coolies and passengers from 141 ships were admitted to the station. Of these 4,819 were Indian Immigration coolies and 14,834 deck passengers as compared with 38,428 Indian Immigration coolies, and 5,305 deck passengers of last year. Of the 14,834 passengers 5,137 were pilgrims from Jeddah.

The following cases were treated at the Hospital:—

| | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|
| Cholera | ... | ... | ... | ... | ... | 3 |
| Influenza | ... | ... | ... | ... | ... | 39 |
| Malaria | ... | ... | ... | ... | ... | 96 |
| Dysentery | ... | ... | ... | ... | ... | 30 |
| Measles | ... | ... | ... | ... | ... | 2 |
| Chicken-pox | ... | ... | ... | ... | ... | 17 |
| Pneumonia | ... | ... | ... | ... | ... | 6 |
| Small-pox | ... | ... | ... | ... | ... | 42 |
| Other Diseases | ... | ... | ... | ... | ... | 207 |
| Total | | | | | | 442 |

Besides these 291 were treated as Outdoor cases. There were 74 deaths as compared with 176 deaths in 1920. Of these 16 died within 48 hours of admission to the station. Of 74 deaths 64 occurred among pilgrims; excluding the deaths within 48 hours. The death-rate is 2·93 per mille.

Small-pox.—There were 42 cases of small-pox with 7 deaths. Of these 4 died within 48 hours of admission.

Vaccinations.—Ten thousand three hundred and seventy-seven vaccinations were performed during the year with 62 per cent of success.

Rainfall.—The total rainfall was 24·77½ millimetres in 112 days.

The greatest fall being 1·01 on 19th September, 1921.

The health of the staff was good.

The water supply remained excellent.

The average daily number at the station was 355·43 as compared with 932 of the preceding year.

Condensed Report of seventeen years' work.

Harbour and Quarantine, Penang.

| Years. | Vessels. | Units of crews and patients inspected. | Passengers landed on Quarantine Station. | Small-pox treated. | Cholera treated. | Plague treated. | Daily average Quarantine Station. | Vaccinations. |
|----------|----------|--|--|--------------------|------------------|-----------------|-----------------------------------|---------------|
| 1905 ... | 869 | 214,136 | 10,406 | 10 | 1 | ... | 171 | ... |
| 1906 ... | 675 | 204,988 | 23,288 | 16 | 8 | 2 | 461 | 6,490 |
| 1907 ... | 633 | 219,839 | 17,650 | 4 | 24 | 1 | 116 | 5,652 |
| 1908 ... | 1,205 | 176,119 | 21,175 | 51 | 9 | 2 | 366 | 5,691 |
| 1909 ... | 503 | 161,971 | 23,059 | 25 | 2 | 1 | 359 | 5,614 |
| 1910 ... | 526 | 217,967 | 71,876 | 62 | 33 | 2 | 1,584 | 12,205 |
| 1911 ... | 1,144 | 277,151 | 134,957 | 109 | 387 | 1 | 3,740 | 63,988 |
| 1912 ... | 634 | 287,373 | 55,493 | 75 | 4 | 4 | 1,111 | 38,297 |
| 1913 ... | 818 | 272,473 | 53,937 | 11 | 12 | 1 | 120 | 37,276 |
| 1914 ... | 1,040 | 215,067 | 48,399 | 171 | 9 | ... | 116 | 32,609 |
| 1915 ... | 405 | 148,662 | 23,176 | 3 | ... | ... | 478 | 21,562 |
| 1916 ... | 662 | 213,726 | 42,736 | 11 | 1 | ... | 817 | 36,806 |
| 1917 ... | 367 | 203,757 | 37,595 | 11 | 12 | ... | 820 | 36,808 |
| 1918 ... | 551 | 173,813 | 33,481 | 7 | 80 | ... | 720 | 29,536 |
| 1919 ... | 493 | 210,839 | 50,733 | 6 | 264 | ... | 1,189 | 39,941 |
| 1920 ... | 432 | 207,424 | 43,733 | 4 | 8 | ... | 932 | 41,230 |
| 1921 ... | 461 | 197,448 | 19,653 | 42 | 3 | ... | 353 | 10,377 |

ANNUAL HEALTH REPORT, MALACCA.

BY DR. F. WOOLRABE, *Health Officer, Malacca.*

Mortality.—The headings of Malarial Fever, Fever Unspecified and Convulsions account for 64·48 of total deaths as against just under 60 per cent in 1920.

The figures for the last 3 years are:—

| | | Malarial fever. | Unspecified fever. | Convulsions. | Total. |
|----------|-----|-----------------|--------------------|--------------|--------|
| 1919 ... | ... | 962 | 924 | 1,439 | 3,325 |
| 1920 ... | ... | 1,293 | 736 | 947 | 2,976 |
| 1921 ... | ... | 834 | 753 | 1,294 | 2,881 |

It is noticeable that the total deaths from Malarial Fever and Unspecified Fever show a reduction and it is not unreasonable to assume that this is due in part to the creation of the Malacca Agricultural Medical Board as a large estate population exposed to Malaria comes under its purview while the heading Convulsions which shows a rise covers cases mostly drawn from a section of population with which Estate Medical Officers do not deal.

Tetanus.—The number of deaths from Tetanus was 51. Forty of these were among infants in the Municipal areas. The Municipal Lady Inspectors had 10 cases of deaths from Tetanus reported to them. That means that in the small residuum of new births in the Municipality which escaped their supervision 30 cases of Tetanus occurred, and emphasises strongly both the need and the advantage of instruction in mother-craft

Milk.—Fifteen samples were examined of which seven were found to be adulterated with water. Prosecution was undertaken in these cases.

Water.—Forty-one samples were examined chemically. Monthly analyses were made of the Municipal pipe water supply from Ayer Kroh as well as quarterly analyses of the 3 Bukit China wells from which water is sold in the Town.

The remaining samples were from wells on estates, at private houses, Police Stations, etc.

Estates.—Three hundred and seventy visits were made to estates and 273 separate estates were visited.

Sanitation on the larger estates is on the whole good; where it is defective the fault lies chiefly in the habits of the coolies, except as regards malarial conditions. Even in the latter case some outbreaks of Malaria have been caused by coolies clearing the edge of a stream in a ravine for gardens.

In other cases a desire for tidiness has led Managers to clear ravines.

Many of the smaller estates have been entirely closed, only a caretaker and sometimes not even a caretaker being left, and others are carrying on with the smallest possible staff.

A large number of mosquito surveys have been made by Estate Medical Officers, with the result in one case of practically banishing Malaria from an estate with a sinister reputation.

Mosquito Surveys.—The Town and Fort has been fairly well surveyed by the Municipal Mosquito Inspectors and the Municipal Health Officer. Anophelines have been found in a few places. The general opinion of the population is that mosquitoes are much fewer. In the country many surveys have been made. Towards the end of the year 6 mosquito coolies were engaged and oiling is now done in suitable places such as Pulo Sebang, etc.

Vaccination.—The record of vaccinations by Government Vaccinators is as follows:—

| | | | | | |
|----------|-----|-----|-----|-----|--------|
| Perfect | ... | ... | ... | ... | 3,016 |
| Modified | ... | ... | ... | ... | 249 |
| Failures | ... | ... | ... | ... | 197 |
| Not seen | ... | ... | ... | ... | 11,539 |
| | | | | | <hr/> |
| Total | | | | | 15,001 |
| | | | | | <hr/> |

In addition the Estate Medical Officers vaccinate children on the Estates.

GOVERNMENT ANALYST'S DEPARTMENT, SINGAPORE.

REPORT BY DR. FRANKLAND DENT, M.SC., PH.D., F.I.C., *Government Analyst, Straits Settlements.*

The following table shows the Revenue and Expenditure for the year 1921, and, for comparison, the Revenue collected during the preceding year:—

| Revenue. | 1920. | 1921. | Expenditure, 1921. | |
|--------------------------|----------|----------|---------------------|------------|
| <i>Fees of Office.</i> | \$ c. | \$ c. | | \$ c. |
| Petroleum Inspection ... | 2,735 00 | 2,490 00 | Personal Emoluments | 26,840 56 |
| Miscellaneous ... | 5,850 50 | 5,683 50 | Stores from England | (a) 500 00 |
| | | | Miscellaneous ... | 515 66 |
| Total ... | 8,585 50 | 8,173 50 | Transport ... | 423 94 |
| By sale of Pyridine ... | 2,215 00 | 1,969 00 | Total ... | 28,280 16 |

(a) Estimated.

Petroleum.

(a) KEROSINE.

The following table gives a comparison between the quantities tested on importation into the Island of Singapore during the years 1920 and 1921:—

| Description of Oil. | | 1920. | | | 1921. | | |
|---------------------|----------------|-------------------------|---------|-------|-------------------------|---------|-------|
| | | Number of Consignments. | Tins. | Tons. | Number of Consignments. | Tins. | Tons. |
| <i>Case Oil.</i> | | | | | | | |
| American Oil. | { Devoe's ... | ... | ... | ... | 6 | 10,000 | ... |
| | { S. Arrow ... | ... | ... | ... | 11 | 27,307 | ... |
| | { Tiger ... | 1 | 3,998 | ... | 11 | 35,800 | ... |
| | { Eagle ... | ... | ... | ... | 1 | 360 | ... |
| Langkat Oil. | { Crown ... | 126 | 420,731 | ... | 93 | 358,623 | ... |
| | { Dragon ... | 21 | 69,605 | ... | 15 | 46,376 | ... |
| | { Cross ... | 22 | 22,119 | ... | 18 | 19,200 | ... |
| | { L. Glass ... | 4 | 6,316 | ... | 6 | 4,253 | ... |
| | { Fish ... | 11 | 20,418 | ... | 9 | 14,800 | ... |
| Total ... | | 185 | 543,187 | ... | 170 | 516,719 | ... |

Fourteen consignments for Penang, Malacca, Port Swettenham and Johore port were tested for their flash points.

(b) MINERAL TURPENE AND DRIALENE.

Four hundred and thirteen tins of Mineral Turpene and 900 of Drialene were imported into Singapore as against 1,700 tins of the former in 1920.

(c) LIQUID FUEL.

Forty-six samples were tested for their flash points as against 74 samples in 1920. Three samples of Cylinder oil were further submitted to viscosity tests.

(d) TESTING VESSELS FOR DANGEROUS PETROLEUM VAPOUR.

Forty-five vessels as against 43 in 1920 were tested for inflammable vapour by means of Redwood's Standard Instrument, either before being allowed to enter Port-limits under Rule 23 made under the "Petroleum Ordinance, 1908", or to enter Dry Dock under By-law 77 of "The Straits Settlements Ports Ordinance, 1912".

Explosives.

Nine consignments were tested on importation into Singapore in accordance with the Rules under "The Arms and Explosives Ordinance, 1912". All passed the prescribed tests.

The following table gives the details of these and for the purpose of comparison, those imported and tested during the two preceding years:—

| Year. | Number of consignments. | Number of packages of 50 lbs. each. | | | | Total. | |
|-------|-------------------------|-------------------------------------|------------|--------------------|--------------------|--------|-------|
| | | Dynamite. | Gelignite. | Blasting Gelatine. | Gelatine Dynamite. | | |
| 1919 | ... | 7 | 400 | 1,200 | 1,000 | 120 | 2,720 |
| 1920 | ... | 6 | 1,550 | 2,120 | 1,550 | ... | 5,220 |
| 1921 | ... | 9 | 698 | 3,140 | 1,089 | ... | 4,927 |

Fragments of an exploded bomb and materials for making ore were sent in by the Police for examination.

Monopolies Department.

(a) CHANDU REVENUE ORDINANCE.

The chemical work under this Ordinance, formerly carried out by the Assistant Superintendent in charge of Opium Factory was taken over by this Department on February 11th.

Exhibits in 151 cases instituted by the Monopolies Department for various breaches of the Ordinance were examined and reported upon. Forty-two samples of chandu prepared at the factory were assayed.

(b) LIQUORS REVENUE ORDINANCE.

(a) Bhang.

Exhibits in 15 cases of seizures of bhang were examined and reported upon.

(b) Intoxicating Liquors.

The spirit strengths of 6,642 samples of liquors from Singapore and 376 samples from Malacca were determined for assessment of duty.

In addition to the above 77 samples of brandy, 3 of whisky 5 of gin, 2 of rum, 6 of toddy, 5 of arrack, 28 of illicit samsoo, 8 of samsoo suspected of being diluted arrack, and one of methylated spirit were more fully examined with a view to their correct classification for duty purpose. Twenty-two samples of cheap liquors purporting to be of European origin were examined in a case of selling liquor under a false trade description.

(c) *Methylated Spirit.*

Consignments of arrack were methylated for industrial purposes on 47 occasions. They consisted of 456 large drums and 43 small ones containing about 67,986 gallons as against 519 drums containing 72,576 gallons in 1920.

Counterfeit Coins.

Ten sets of exhibits from Singapore and three from Malacca were sent in by the Police. They included 2,012 counterfeit 5-cent pieces, 322 10-cent pieces, 20 20-cent pieces, and 1 5-cent (nickel) piece and a large number of moulds and other apparatus and materials used in their manufacture. The alloy used was in many cases composed of Lead and Antimony obtained by melting down spoons of "Antimony-ware".

Toxicology.

Thirty-three specimens of stomach contents, washings, etc., were received from Singapore, Penang, Malacca and Johore.

Opium was detected in 7 cases, alcohol in 6 cases, and arsenic, bismuth, tuba-root, hydrochloric acid, sulphuric acid, powdered glass, and alkali in one case each.

Arsenic was detected in a cow's viscera received from Malacca.

Poisons.

Five sets of exhibits were sent in for examination. In one case a powder sold as a febrifuge was found to consist of commercial cyanide of potassium and in another a liquid was found to be strong sulphuric acid.

Deleterious Drugs.

Twelve specimens were sent in for analysis. In one case 8 tins labelled "Morphine Muriate Powder" were found to contain a mixture of starch and chalk. Another tin labelled "Cocaine" contained a mixture of boric and salicylic acids with a thin covering of cocaine hydrochlorate on the top.

Water and Milk.

Seventeen samples of water and 22 of milk were sent in for examination and report.

Miscellaneous.

Other samples not included under any of the above heads, which were sent in for analysis and report, included:—

Twelve bamboo tubes containing a mixture of pepper and ground glass from the Chief Police Officer, Johore, 7 test meals, 2 articles of clothing for blood stains and 3 articles in a vitriol throwing case, a specimen of clothing saturated with kerosene, a number of proprietary medicines from the Principal Civil Medical Officer, two samples of mineral, 3 of rubber, 2 of flour, 2 clinical thermometers for verification, one sample each of ink eradicator, boiled linseed oil and opium and a piece of lead cable-sheathing.

GOVERNMENT ANALYTICAL DEPARTMENT, PENANG.

REPORT BY MR. J. C. COWAP, B.SC., F.I.C., *Deputy Analyst, Penang.*

Details of Revenue and Expenditure for the department for 1921 are given in the following table together with the Revenue for 1920:—

| Revenue. | 1920. | 1921. | Expenditure, 1921. |
|--|----------|----------|---|
| | \$ c. | \$ c. | \$ c. |
| Petroleum Inspection Fees | 2,851 00 | 2,448 50 | Personal Emoluments 9,176 00 |
| Miscellaneous ... | 1,169 50 | 1,530 50 | Stores ... 372 00 |
| Certificate for Export of Petroleum Fees ... | 266 50 | 194 50 | Miscellaneous ... 154 00 |
| | | | Transport & Traveling Allowances ... 280 00 |
| Total ... | 4,287 00 | 4,173 50 | Total ... 9,982 00 |

Three hundred and eighty-four Reports on General Analytical Work were issued together with 115 Reports on Petroleum Tested.

Petroleum.

The following table shows the amount of Petroleum imported into the Settlement and tested during the year. All samples of Kerosene and Heavy Petroleum passed the Standard tests:—

A. KEROSENE.

| | Number of Consignments. | Tons. | Gallons. |
|-----------------------------|-------------------------|--------|-----------|
| East Indian Bulk Oil ... | 25 | 9121'5 | — |
| East Indian Oil in Tins ... | 20 | — | 78,800 |
| American Bulk Oil ... | 2 | — | 1,690,423 |
| Total ... | 47 | 9121'5 | 1,769,223 |

B. HEAVY PETROLEUM.

| | | | |
|--------------------------|----|--------|-------|
| East Indian in Bulk ... | 13 | 5775'5 | — |
| East Indian in Drums ... | 7 | — | 8,450 |
| Total ... | 20 | 5775'5 | 8,450 |

C. DANGEROUS PETROLEUM.

Fifty-seven consignments representing 957,592 gallons of dangerous petroleum were imported and examined.

Spirits.

One thousand four hundred and seventy-eight samples of imported or locally manufactured spirit were examined for alcoholic strength. Of these 1,154 were done for the Monopolies Department and 324 for the Kedah Government.

Other Spirits.

One hundred and seven other samples of spirits were examined generally in order that they might be classified under the Liquors Revenue Ordinance.

They mostly consisted of brandy or liquors purporting to be brandy, or Chinese spirits suspected to contain arrack. Various samples of toddy and illicit liquors were also analysed.

Opium, Chandu and Bhang.

One hundred and forty-four samples of opium and chandu dross were examined either for the Monopolies Department or for the Kedah Government. Most of the work was in order to keep a check on the chandu shop-keepers and to guard against payment by Government of the full drawback for bad or adulterated dross.

Milk.

Forty-five samples of milk were analysed. Of these twenty-one, all collected by the Municipal Health Department, were adulterated by the addition of water. The highest percentage of added water in any of these samples was 77.

Water.

Analysis of 39 samples of water were carried out. They were taken chiefly from drinking wells or proposed drinking wells in Penang, Kedah, Province Wellesley and the Dindings.

Coining Cases.

Exhibits in three cases of counterfeiting coinage were examined.

Explosives.

Four importations of Gelignite representing 135,000 lbs. were inspected and examined on importation.

All passed the statutory tests.

Toxicology.

Specimens of human viscera, etc., were examined in seven cases of suspected poisoning.

In one arsenic was discovered and in one mercury.

The other five contained no poison.

Miscellaneous.

The miscellaneous samples included tin-ore, bran, petrol, flour, cloth, rubber, potassium cyanide, sugar, rice, etc.

**REPORT ON THE KING EDWARD VII COLLEGE OF MEDICINE,
SINGAPORE, FOR 1921.**

School Council.—The Hon'ble Dr. LIM BOON KENG resigned on leaving Colony. Messrs. YEOW NGAN PAN, TAN KHEAM HOCK and TAN CHENG KEE were re-elected.

School Staff.—Dr. G. H. MACALISTER proceeded on leave in September, his duties and seat on the School Council being taken by Dr. J. R. KAY MOUNT. Dr. H. M. HOLT resigned in February and was replaced by Captain J. SLOPER, R.A.M.C., as Acting Professor of Anatomy. Dr. O. J. MURPHY was appointed lecturer in Midwifery in June and the post of Tutor in Midwifery held by Dr. P. H. LOH was abolished as unnecessary. The Hon'ble Dr. D. J. GALLOWAY was unable to lecture, owing to his administrative duties, during

the October term his place being taken by Dr. R. B. MACGREGOR. Dr. DENT, Lecturer in Physics and Chemistry, was absent on leave from February to November and was replaced by Mr. J. C. COWAP.

Dr. WEBSTER, Lecturer in Clinical Medicine and Ophthalmology, proceeded on leave in September his place being taken by Dr. H. B. DONDS for Medicine and by Mr. K. BLACK for Ophthalmology. Dr. DAWSON undertook Clinics in Infectious diseases, an addition to the teaching which will become a recognised part of the course next year. Mr. G. W. CRAWFORD resigned his post of Lecturer in Practical Pharmacy on account of ill-health to the regret of the Staff and Students. Mr. F. L. LA MOTHE was appointed *vice* Mr. G. W. CRAWFORD as Lecturer in Pharmacy. Dr. J. R. KAY-MOUAT, who was appointed Assistant Principal, assumed duty on July 23rd, 1921: he was appointed King Edward VII Professor in Physiology in November.

STUDENTS.—

1. *Administration.*—The Students representative committee appointed to confer with the Principal upon matters affecting their interests has facilitated the maintenance of order and good understanding. The discipline has been good throughout the year. No suspensions or dismissals have been necessary. Three students left.

2. *Health.*—The health has been up to the average: Ankylostomiasis has been diagnosed in several students. There has been one case of Beri-beri and several cases of Malaria, all contracted outside the school.

3. *Recreation of Students.*—An athletic ground has been provided on the site of the aviation ground and is being prepared for games. A library of general literature has been founded by Mr. SEE TIONG WAH who has presented six book cases with over one thousand books to the Students' Union.

Education.—Seven qualified for L. M. S. Diploma, making a total of 124 graduates.

| | | | | |
|-------------------------------|-----|-----|-----|-------|
| Students in 5th year and over | ... | ... | ... | 37 |
| „ 4th „ | ... | ... | ... | 24 |
| „ 3rd „ | ... | ... | ... | 25 |
| „ 2nd „ | ... | ... | ... | 16 |
| „ 1st „ | ... | ... | ... | 33 |
| | | | | <hr/> |
| | | | | 135 |
| | | | | <hr/> |
| Subtract 3 who have left | ... | ... | ... | 3 |
| | | | | <hr/> |
| Total now present | ... | ... | ... | 132 |

of whom 61 are Government indentured students.

The entrance examination has been replaced by the Senior Cambridge with additional subject and a higher standard than a pass, namely that of “credit” being required in English and Mathematics. The standard in Anatomy and Physiology has been raised to correspond.

The course for Hospital Assistants has ceased; the last entrant for this course passed the examination this summer.

No Pharmaceutical Students have passed during the year. The granting of Dental Certificates has been abolished.

The courses have been extended during the year, particularly as regards systematic teaching in Gynæcology and Midwifery and Clinics in infectious diseases. Casualty Officer work, to afford practice in minor surgery and nursing and other treatment to the final year students, has been instituted at the General Hospital.

Equipment.—The furnishing of the Anatomy and Physiology departments has been increased. The accommodation in these departments has been enlarged. The votes-in-aid have helped the departments to cope with the extra numbers doing practical work, but the apparatus is not as yet quite adequate. The addition of an epidiascope now on order and more microscopes will greatly add to the facilities for demonstrations. The books on order from the same vote will bring the reference library and students' library thoroughly up to date. The library with the new periodicals added is now the most efficiently equipped part of the School.

Financial.—The Government contributions were increased by votes in aid totalling \$17,000. Part of this was unexpended owing to the delay in arrival of the epidiascope, the microscopes and certain books ordered under this vote through the Crown Agents in England.

The revenue and expenditure for the year 1921 was as follows:—

King Edward VII Memorial Fund.—

| <i>Assets.</i> | | <i>Liabilities.</i> | |
|------------------------------------|-------------------|------------------------------------|-------------------|
| | \$ c. | | \$ c. |
| Balance brought forward 1-1-21 ... | 15,531 82 | Gratuity to Professor CAMPBELL ... | 6,187 50 |
| Invested capital ... | 120,800 00 | Balance ... | 130,144 32 |
| | <u>136,331 82</u> | | <u>136,331 82</u> |
| <i>Receipts.</i> | | <i>Payments.</i> | |
| | \$ c. | | \$ c. |
| Balance brought forward 1-1-21 ... | 19,939 56 | Commission ... | 198 72 |
| Interest ... | 8,790 98 | Investment ... | 13,000 00 |
| | <u>28,730 54</u> | Balance ... | 15,531 82 |
| | | | <u>28,730 54</u> |

Council of King Edward VII College of Medicine Fund.

| <i>Assets.</i> | | <i>Liabilities.</i> | |
|----------------------------|------------------|--------------------------------|------------------|
| | \$ c. | | \$ c. |
| Invested capital ... | 82,200 00 | Overdraft at bank ... | 1,459 91 |
| Equipment ... | 2,032 83 | Locker's deposit ... | 20 00 |
| | | Dr. LIM BOON KENG'S prizes ... | 285 00 |
| | | Subscription for prizes ... | 463 05 |
| | | Balance to credit ... | 82,004 87 |
| | <u>84,232 83</u> | | <u>84,232 83</u> |
| <i>Receipts.</i> | | <i>Payments.</i> | |
| | \$ c. | | \$ c. |
| Balance 1-1-21 ... | 3,194 93 | Miscellaneous ... | 163 20 |
| Fees ... | 4,235 00 | Commission ... | 397 13 |
| Interest ... | 6,221 82 | Stipends to students ... | 7,246 82 |
| Miscellaneous Receipts ... | 157 50 | Allowance to clerk ... | 240 00 |
| | <u>13,809 25</u> | Books and Appliances ... | 1,034 51 |
| | | Balance ... | 4,727 59 |
| | | | <u>13,809 25</u> |

PATHOLOGICAL DEPARTMENT.

REPORT BY DR. G. A. FINLAYSON, M.A., M.B., Ch.B., M.R.C.P.,
Government Pathologist.

Laboratory, Sepoy Lines.

| | | | |
|--|---------------------------------------|-----|-------|
| Total number of specimens examined | ... | ... | 3,157 |
| Widal reaction for "Enterica" | ... | ... | 696 |
| Enteric fever | positive reaction | ... | 129 |
| | partial " | ... | 130 |
| | negative " | ... | 405 |
| Para-typhoid B | positive " | ... | 1 |
| | partial " | ... | 3 |
| | negative " | ... | 23 |
| Widal reaction for Dysentery-bacillary | ... | ... | |
| | positive reaction | ... | 5 |
| Malaria | | | |
| | parasite present | ... | 11 |
| | " absent | ... | 75 |
| Syphilis | Wassermann reaction | ... | 1,830 |
| | positive | ... | 783 |
| | partial | ... | 251 |
| | " | ... | 63 |
| | negative | ... | 733 |
| Diphtheria | throat swab. | ... | 64 |
| | bacillus present | ... | 27 |
| | " absent | ... | 37 |
| Gonococcus | | ... | 79 |
| | diplococcus present | ... | 17 |
| | " absent | ... | 62 |
| Sputum for T. B. | | ... | 61 |
| | bacillus present | ... | 17 |
| | " absent | ... | 44 |
| Leprosy | | ... | 28 |
| | bacillus present | ... | 8 |
| | " absent | ... | 20 |
| Meningococcus | | ... | 29 |
| | diplococcus present | ... | 19 |
| | " absent | ... | 10 |
| | pneumococcus observed in three cases. | | |
| Plague | | ... | 2 |
| | bacillus present | ... | 1 |
| | " absent | ... | 1 |
| Urine | | ... | 62 |
| | casts, albumen, etc. | ... | 17 |
| | organisms B Coli | ... | 12 |
| Varied specimens including:— | | | |
| | Vaccines prepared | ... | 11 |
| | Histological sections | ... | 64 |
| | Examination of pus, etc. | ... | 23 |

A few samples of water were examined and reports forwarded.

Central Mortuary, Sepoy Lines.

| | | | |
|---------------------------|-----|-----|-----|
| Total Number of autopsies | ... | ... | 292 |
|---------------------------|-----|-----|-----|

Tan Tock Seng Hospital.

Total number of autopsies ... 915

Return showing immediate cause of death:—

| | | | | |
|----------------------------|-----|-----|-----|-----|
| Beri-beri | ... | ... | ... | 42 |
| Pellagra | ... | ... | ... | 1 |
| Plague Bubonic | ... | ... | ... | 3 |
| Lobar Pneumonia | ... | ... | ... | 76 |
| Cerebro-spinal Meningitis | ... | ... | ... | 7 |
| Encephalitis lethargica | ... | ... | ... | 2 |
| Accidents, etc. | ... | ... | ... | 59 |
| Malaria | ... | ... | ... | 81 |
| Tuberculosis | ... | ... | ... | 117 |
| Enteric fever | ... | ... | ... | 27 |
| Dysentery | ... | ... | ... | 125 |
| Suppurative Peritonitis | ... | ... | ... | 32 |
| Other septic conditions | ... | ... | ... | 53 |
| Diseases of Nervous system | ... | ... | ... | 52 |
| „ Respiratory system | ... | ... | ... | 48 |
| „ Circulatory system | ... | ... | ... | 45 |
| „ Blood | ... | ... | ... | 1 |
| „ Alimentary system | ... | ... | ... | 54 |
| „ Genito-urinary system | ... | ... | ... | 42 |
| Neoplasm | ... | ... | ... | 33 |
| Syphilis | ... | ... | ... | 2 |
| Anchylostomiasis | ... | ... | ... | 5 |
| Splenic Anæmia | ... | ... | ... | 4 |
| Heat stroke | ... | ... | ... | 1 |
| Senility | ... | ... | ... | 1 |
| Too decomposed | ... | ... | ... | 1 |
| Unknown | ... | ... | ... | 1 |

Remarks.—It may be of interest to carry forward this table which I submitted last year showing the death-rate of the patients who enter Tan Tock Seng Hospital for treatment.

| <i>Year.</i> | <i>Total No. p.m.</i> | <i>Malaria.</i> | <i>Dysentery.</i> | <i>Tuberculosis.</i> | <i>Beri-beri.</i> |
|--------------|-----------------------|-----------------|-------------------|----------------------|-------------------|
| 1907 | 1,083 | 212 | 212 | 152 | 50 |
| 1910 | 1,743 | 352 | 299 | 187 | 134 |
| 1914 | 1,050 | 90 | 221 | 165 | 65 |
| 1917 | 922 | 99 | 177 | 139 | 103 |
| 1920 | 1,306 | 182 | 188 | 277 | 14 |
| 1921 | 1,530 | 205 | 238 | 318 | 75 |

The noticeable features are the increase in the Beri-beri death-rate since over-polished rice again became available and the continued rise in the number who succumb to Pulmonary Tuberculosis.

Return of Laboratory, General Hospital Penang for 1921.

| Months. | Blood Film. | Stools. | Urine. | Sputum. | Smear for Gonococci. | Smear for L. Bacilli. | Wasserman reaction. | Widal tests. | Fluid from knee and Pleura. | Diphtheria Bacilli. | Total. |
|---------------|-------------|---------|--------|---------|----------------------|-----------------------|---------------------|--------------|-----------------------------|---------------------|--------|
| January ... | 72 | 60 | 128 | 20 | 3 | 1 | ... | 1 | ... | ... | 285 |
| February ... | 70 | 50 | 99 | 15 | 2 | ... | ... | 1 | ... | ... | 237 |
| March ... | 118 | 70 | 112 | 41 | 9 | ... | ... | 1 | ... | ... | 351 |
| April ... | 103 | 111 | 79 | 35 | 5 | 1 | ... | ... | ... | ... | 334 |
| May ... | 130 | 117 | 112 | 21 | 7 | ... | ... | 2 | ... | ... | 389 |
| June ... | 152 | 69 | 88 | 18 | 9 | 2 | 3 | 1 | ... | ... | 342 |
| July ... | 130 | 72 | 91 | 10 | 17 | 1 | 5 | ... | ... | ... | 326 |
| August ... | 137 | 70 | 109 | 21 | 15 | ... | 6 | 1 | ... | ... | 359 |
| September ... | 94 | 90 | 52 | 24 | 20 | 2 | 11 | 2 | 2 | ... | 297 |
| October ... | 72 | 76 | 82 | 15 | 9 | 1 | 6 | ... | ... | ... | 261 |
| November ... | 108 | 88 | 76 | 14 | 16 | ... | 8 | 1 | 2 | 1 | 314 |
| December ... | 110 | 60 | 95 | 30 | 18 | 2 | 9 | 1 | ... | ... | 325 |
| Total ... | 1,296 | 933 | 1,123 | 264 | 130 | 10 | 48 | 11 | 4 | 1 | 3,725 |

Sd. J. C. TULL,
Government Pathologist.

MEDICAL DEPARTMENT, LABUAN.

REPORT BY DR. CLEVERTON, *Medical Officer, Labuan, S. S.*
Population and Health.

Table showing estimated population, with the birth and death rates, for the year 1919 to 1921:—

| Year. | Population. | Births. | Deaths. | Birth-rate. | Death-rate. |
|-------|-----------------------|---------|---------|-------------|-------------|
| 1919 | ... 6,922 (estimated) | 219 | 140 | 31'63 | 20'22 |
| 1920 | ... 6,970 „ | 206 | 152 | 29'55 | 21'80 |
| 1921 | ... 5,909 (Census) | 203 | 199 | 34'35 | 33'67 |

The population of Labuan has decreased by 639 since the 1911 Census. The neighbouring oilfield in Miri, Sarawak, has attracted a great number of Chinese and natives from Labuan.

The birth rate was highest during the 4th Quarter, and death rate was highest during the 3rd Quarter. Of the total number of deaths, Malaria accounted for 46, Pneumonia 5, Debility and Age 27, Convulsions 38, Phthisis 35, Others 48.

The following table shows the infantile mortality under one year of age:—

| Year. | Deaths. | Per cent to Total death rate. | Per cent to Total birth rate. |
|-------|---------|----------------------------------|----------------------------------|
| — | — | — | — |
| 1919 | ... 29 | 20'71 | 13'24 |
| 1920 | ... 31 | 20'39 | 15'04 |
| 1921 | ... 53 | 26'60 | 26'10 |

Malaria.

Sixty-one cases were admitted to Hospital during the year as against 60 in 1920. One hundred and seventy-three cases were treated as out-patients against 172 in 1920. Of the total number of deaths, 46 were attributed to this disease as against 30 in 1920.

A sum of \$964.38 was spent by the Rural Board in connection with Anti-malarial work.

Beri-Beri.

No cases were treated under this diseases in the year under review nor were there any cases treated in 1920. In 1919 only one case was treated in Hospital. In 1917 there were 42 cases treated in Hospital.

Venereal Diseases.

Thirty-six cases were treated in Hospital during the year as against 8 cases in 1920. Thirteen cases were treated as out-patients.

Pulmonary Tuberculosis.

There were 6 cases treated in Hospital during the year as against 10 in 1920. Two of these cases died. Of the total number of deaths 35 were from this disease, showing a death rate of 17'58 as against 25'65 in 1920.

Dysentery.

There were 5 admissions with one death as against 5 with no deaths, in 1920. Of these 5, two came direct from an estate in Brunei, and 2 from Sarawak (Lawas and Trusan). The remaining case was a prisoner, who had suffered previously from dysentery in British North Borneo.

Port Health Work.

Steamers tongkangs and prows, 23 in number, were inspected and pratique granted.

Police Force:—

| | 1920. | 1921. |
|--------------------------------------|-------|-------|
| Number of admissions to Hospital ... | 69 | 112 |
| „ „ out-patients ... | 81 | 334 |
| „ „ admissions for Malaria ... | 28 | 38 |
| „ „ out-patients ... | 10 | 42 |

Prisoners:—

| | | |
|--------------------------------------|----|----|
| Number of admissions to Hospital ... | 19 | 14 |
| „ „ out-patients ... | 17 | 42 |
| „ „ admissions for Malaria ... | 6 | 7 |

Out-Patients.

One thousand one hundred and fifteen cases were treated as out-patients as against 752 in 1920.

The nationalities were as follows.—Forty-seven European, 18 Eurasian, 129 Chinese, 692 Malay, 193 Indian, 36 other nationalities. The chief diseases treated were Malaria, Bronchitis, Constipation, Dyspepsia, Roundworm, Scabies, Injuries and Ulcer.

An out-patient department was started in the town of Victoria in July. This accounts for the increase under this head. Many minor maladies are treated there.

Vaccination.

One hundred and eighty-four children were vaccinated during the year as against 193 in 1920. Of these 171 were successful.

Meteorological.

The North-east monsoon blew from January to the end of March. During April the prevailing wind was due North. From May to November the South-west monsoon prevailed. In December the North-east monsoon started. The total rainfall during the year was 3,415.9 m.m. as against 3,458.0 m.m. in 1920.

The North-east monsoon was again the drier monsoon, the first 4 months of the year showing a far smaller rainfall than any other four months. The driest month was August. The wettest month was July when 458.0 m.m. fell. The greatest rainfall of the year was 124.0 m.m. on the 5th December. The greatest rainfall of the year was 124.0 m.m. on the 5th December.

| | |
|----------------------------------|---|
| The maximum temperature was | 93.0 on 11th May, 1921. |
| „ minimum „ „ | 71.0 3rd and 9th April and 28th August. |
| The maximum mean temperature was | 86.6 |
| „ minimum „ „ „ | 75.8 |
| „ mean temperature „ | 81.2 |

Hospital.

The total number of admissions during the year was 278 as against 234 in 1920. Only one European was admitted during the year. There were 14 deaths giving a percentage mortality to the total treated of 4.79 as against 5.32 in 1920.

Operations.

Ten operations were performed under chloroform of which 2 were major.

[illegible]

| | | | TEMPERATURE. | | | | | RAINFALL. | | WINDS. | | REMARKS. | |
|-----------|-----|-----|----------------|-------------------|----------------|----------------|--------|-----------|----------------|---------------------|--------------------|---------------|----------------|
| | | | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in mms. | Degree of Humidity. | General Direction. | | Average Force. |
| | | | F. | F. | F. | F. | F. | | F. | | | | |
| January | ... | ... | 156 | ... | 92 | 68 | 24 | 79.4 | 126 | 81.6 | N.W. | Not recorded. | |
| February | ... | ... | 154 | ... | 94 | 69 | 25 | 81.5 | 206 | 77.5 | N.W. | | |
| March | ... | ... | 164 | ... | 93 | 69 | 24 | 80.9 | 360 | 80.0 | N.W. | | |
| April | ... | ... | 158 | ... | 94 | 71 | 23 | 82.2 | 67 | 76.7 | N.W. | | |
| May | ... | ... | 155 | 70 | 93 | 70 | 23 | 81.4 | 466 | 80.7 | N.W. | | |
| June | ... | ... | 155 | 70 | 93 | 72 | 21 | 82.1 | 140 | 77.6 | S. | | |
| July | ... | .. | 152 | 68 | 92 | 69 | 23 | 81.1 | 189 | 81.5 | S. | | |
| August | ... | ... | 152 | 69 | 92 | 70 | 22 | 80.7 | 393 | 82.8 | S. | | |
| September | | .. | 156 | 69 | 91 | 70 | 21 | 78.6 | 625 | 87.9 | N.W. | | |
| October | ... | ... | 151 | 70 | 91 | 70 | 21 | 80.2 | 392 | 89.4 | N.W. | | |
| November | ... | ... | 159 | 69 | 92 | 70 | 22 | 80.4 | 335 | 87.1 | N.W. | | |
| December | ... | ... | 154 | 68 | 93 | 70 | 23 | 80.9 | 189 | 86.9 | N.W. | | |
| Mean | ... | | | | | | | | | | ... | | |

MALACCA.

Return of the Statistics of Population for the Year 1921.

| | Europeans. | Eurasians. | Malays. | Chinese. | Indians. | Other Nationalities. | TOTAL. |
|-------------------------------|------------|--------------------|---------|----------|----------|----------------------|---------|
| Number of inhabitants in 1921 | 447 | 1,770 | 86,452 | 45,811 | 18,854 | 265 | 153,599 |
| „ Births during the year 1921 | 10 | 86 | 4,021 | 1,406 | 430 | 151 | 6,104 |
| „ Deaths „ 1921 | 1 | 43 | 2,382 | 1,295 | 663 | 84 | 4,468 |
| „ Immigrants „ 1921 | } | No data available. | | | | | |
| „ Emigrants „ 1921 | | | | | | | |
| Number of inhabitants in 1920 | 385 | 1,948 | 99,803 | 44,891 | 9,499 | 543 | 157,069 |
| Increase | 62 | .. | ... | 920 | 9,355 | ... | ... |
| or | | | | | | | |
| Decrease | ... | 178 | 12,351 | ... | ... | 278 | 3,470 |

Meteorological Return for the Year 1921.

| | TEMPERATURE. | | | | | | RAINFALL. | | WINDS. | | REMARKS. |
|------------------|----------------|-------------------|----------------|----------------|--------|-------|-----------------------|---------------------|--------------------|----------------|----------|
| | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in Millimetres | Degree of Humidity. | General Direction. | Average Force. | |
| | F. | F. | F. | F. | F. | F. | M.M. | % | | | |
| January | 130.0 | — | 86 | 72 | 14 | — | 254.50 | 86 | N.E. | | |
| February | 127.0 | — | 87 | 73 | 14 | — | 98.00 | 84 | N.E. | | |
| March | 129.0 | — | 87 | 74 | 13 | — | 180.50 | 80 | N.E. | | |
| April | 139.0 | — | 88 | 74 | 14 | — | 133.00 | 82 | N.E. | | |
| May | 138.0 | — | 87 | 74 | 13 | — | 276.00 | 83 | N.E. | | |
| June | 134.0 | — | 87 | 74 | 13 | — | 272.00 | 85 | N.E. | | |
| July | 135.0 | — | 87 | 73 | 14 | — | 128.00 | 80 | N.E. | | |
| August | 139.0 | — | 87 | 73 | 14 | — | 229.00 | 83 | N.E. | | |
| September | 129.0 | — | 86 | 73 | 13 | — | 268.00 | 83 | N.E. | | |
| October | 125.0 | — | 87 | 74 | 13 | — | 276.00 | 83 | N.E. | | |
| November | 123.0 | — | 86 | 74 | 12 | — | 227.00 | 84 | N.W. | | |
| December | 126.0 | — | 88 | 73 | 15 | — | 95.00 | 82 | N. | | |
| Mean | ... | — | ... | ... | ... | — | ... | .. | — | | |

LABUAN.

Return of the Statistics of Population for the Year 1921.

| | Europeans. | Eurasians. | Malays. | Chinese. | Indians. | Other Nationalities. | Total. | |
|-------------------------------|------------|--------------------|---------|----------|----------|----------------------|--------|-------|
| Number of inhabitants in 1921 | 25 | 15 | 4,095 | 1,614 | 148 | 46 | 5,909 | |
| „ Births during the year 1921 | 1 | ... | 121 | 72 | 8 | 1 | 203 | |
| „ Deaths „ „ 1921 | ... | 1 | 149 | 45 | 2 | 2 | 199 | |
| „ Immigrants „ „ 1921 | } | No data available. | | | | | | |
| „ Emigrants „ „ 1921 | | | | | | | | |
| Number of inhabitants in 1920 | ... | 17 | 49 | 4,760 | 1,868 | 204 | 72 | 6,970 |
| Increase | ... | 8 | ... | ... | ... | ... | ... | ... |
| or | | | | | | | | |
| Decrease | ... | ... | 34 | 665 | 254 | 90 | 26 | 1,061 |

Meteorological Return for the Year 1921.

| | TEMPERATURE. | | | | | | RAINFALL. | | WINDS. | | REMARKS. |
|------------------|----------------|-------------------|----------------|----------------|--------|-------|------------------------|---------------------|--------------------|----------------|----------|
| | Solar Maximum. | Minimum on Grass. | Shade Maximum. | Shade Minimum. | Range. | Mean. | Amount in Millimetres. | Degree of Humidity. | General Direction. | Average Force. | |
| | | F. | F. | F. | F. | F. | M. M. | % | | | |
| January | 146.6 | 72.9 | 85.0 | 75.9 | 9.1 | 80.4 | 133.5 | 80 | N.E. | 2 | |
| February | 147.3 | 73.6 | 84.9 | 75.0 | 9.9 | 79.9 | 317.2 | 82 | N.E. | 2 | |
| March | 147.9 | 73.9 | 86.5 | 75.8 | 10.7 | 81.1 | 193.6 | 79 | N.E. | 2 | |
| April | 149.4 | 74.1 | 88.3 | 76.4 | 11.9 | 82.3 | 175.4 | 75 | N. | 2 | |
| May | 142.7 | 74.9 | 88.0 | 76.2 | 11.8 | 82.1 | 403.5 | 78 | W. | 2 | |
| June | 143.9 | 74.1 | 87.7 | 76.4 | 11.3 | 82.0 | 262.7 | 77 | S.W. | 2 | |
| July | 140.2 | 73.7 | 87.4 | 75.3 | 12.1 | 81.3 | 458.0 | 79 | S.W. | 2 | |
| August | 144.2 | 73.9 | 87.6 | 77.0 | 10.6 | 82.3 | 128.0 | 76 | S.W. | 2 | |
| September | 143.7 | 74.0 | 86.7 | 74.9 | 11.8 | 80.8 | 319.5 | 78 | S.W. | 2 | |
| October | 146.1 | 74.4 | 86.6 | 75.4 | 11.2 | 81.0 | 427.0 | 80 | S.W. | 2 | |
| November | ... | 74.0 | 85.5 | 75.9 | 9.6 | 80.7 | 202.5 | 80 | S.W. | 2 | |
| December | 150.6 | 73.7 | 85.8 | 76.3 | 9.5 | 81.0 | 395.0 | 80 | N.E. | 2 | |
| Mean | 145.7 | 73.9 | 86.6 | 75.8 | 10.7 | 81.2 | Total. 3,415.9 | 78.6 | Prevailing S.W. | 2 | |

BANKRUPTCY DEPARTMENT.

Staff.

1. *Singapore.*—The Hon'ble Mr. C. J. SAUNDERS, Registrar of Companies and Official Assignee, was in charge throughout the year. Mr. G. L. HAM acted as Assistant Official Assignee up to the 2nd April when he was succeeded by Mr. G. B. KELLAGHER who took up the duties on the 14th April, 1921.

Penang.—Mr. A. C. BAKER was in charge up to the 24th April, 1921, when he was relieved by Mr. H. C. BATHURST.

Revenue and Expenditure.

2. The following table shows the revenue derived by Government from, and the expenditure of the Bankruptcy Department for the year 1921:—

| RECEIPTS. | | | | EXPENDITURE. | | | |
|-----------|-----|-------------|----------|---|-----|-------------|----------|
| 1921. | | Singapore. | Penang. | 1921. | | Singapore. | Penang. |
| | | \$ c. | \$ c. | | | \$ c. | \$ c. |
| Revenue | ... | 58,775 04 | 5,016 76 | Salaries of Official Assignee and Assistant Official Assignee | ... | 22,543 33 | ... |
| | | | | Temporary and Married Allowances | ... | 4,448 83 | ... |
| | | | | Salaries of Clerks, Interpreters, etc., including allowances | ... | 21,150 24 | 9,332 09 |
| | | | | Other Charges, Miscellaneous | ... | 175 10 | 54 00 |
| | | | | Contingency Fund, legal expenses | ... | 47 00 | ... |
| Total | ... | 58,775 04 | 5,016 76 | Total | ... | 48,364 50 | 9,386 09 |
| | | \$63,791 80 | | | | \$57,750 59 | |

The revenue was made up as follows:—

| | <i>Singapore.</i> | | <i>Penang.</i> | |
|---|-------------------|-------------|----------------|----|
| | \$ | c. | \$ | c. |
| (a) Percentages on Realisation and Distribution of Assets and other charges authorised by Tables B and D in scale of fees | ... | 28,160 90 | 2,987 86 | |
| (b) Interest on Cash Balances standing to the credit of Bankruptcy Estates Account | ... | 6,477 12 | 142 50 | |
| (c) Judicial Stamps on Bankruptcy Proceedings cancelled in Supreme Court | ... | 5,708 95 | 1,327 70 | |
| (d) Judicial Stamps on Bankruptcy Proceedings cancelled in Office of Official Assignee | ... | 369 85 | 195 70 | |
| (e) Interest on Investments under section 70 | ... | 18,058 22 | 363 00 | |
| Total | ... | \$58,775 04 | \$5,016 76 | |
| Corresponding Total in 1920 | ... | \$34,378 64 | \$1,467 38 | |

3. No commission was collected during the year on estates of deceased persons administered by the Official Assignee and Assistant Official Assignee.

4. The expenditure in Singapore includes as usual the salary and allowances of the Official Assignee who is also Registrar of Companies. In Penang the Assistant Official Assignee draws pay, not as such, but as Deputy Registrar of the Supreme Court. There was an increase over 1920 in Singapore of \$6,728.60 and in Penang of \$2,054.06, due to increased allowances and to increments under schemes.

5. The revenue collected in Singapore was \$24,396.40 more than in 1920 and is the highest on record. There were increases in all the headings including \$15,191.31 in percentages on realisation and distribution of assets and other charges, and \$4,516.15 in Judicial Stamps cancelled.

The revenue in Penang was \$3,549.38 more and the expenditure \$2,054.06 more than in 1920.

6. Comparative returns of Annual Revenue and Expenditure for Singapore and Penang are given in Tables A and AI of Appendix I.

7. Under section 132 of Ordinance No. 44 (Bankruptcy) a sum of \$300.51 was transferred from Bankruptcy Estates Account to a separate account kept by the Accountant-General.

Under this section up to the end of the year \$18,946.47 had been paid out of the Bankruptcy Estates Account in Singapore and \$25,092.04 in Penang.

Amount of Insolvency.

8. Appendix I, Table B, contains a comparative return of liabilities and assets, as estimated in Statements of Affairs for the last 10 years.

Bankruptcy Notices, Petitions, Receiving Orders, etc.

9. *Singapore*.—Three hundred and forty-nine Bankruptcy Notices were issued as against 150 in 1920. The total number of petitions filed was 143 as against 84 in 1920. Ninety-one Receiving Orders were made, including 5 made on petitions of 1920, as against 56 in 1920. Sixty-seven were made on creditors' petitions and 24 on debtors' petitions. Of the 91 Receiving Orders 37 were made against firms, and 54 against individuals. Three Administration Orders were made under section 113 during the year.

10. Six Interim Receiving Orders were made, of which three were withdrawn.

11. *Penang*.—One hundred and nine Bankruptcy Notices were issued as against 51 in 1920. The petitions filed numbered 77 as against 30 in 1919. There were 54 Receiving Orders as against 10 in 1920. Fifty were made on creditors' petitions and four on debtors' own petitions. One Administration Order was made under section 113 but was rescinded.

12. No Interim Receiving Order was made during the year.

13. *Malacca*.—Two Receiving Orders were made during the year.

Compositions and Schemes of Arrangement.

14. *Singapore*.—Four compositions were approved by the Court as follows:—

(a) *Re Low How KIM & Company* (No. 148 of 1920) 22½ per cent by two equal instalments to be paid within two months and four months after approval by the Court.

(b) *Re N. MOHAMED EBRAHIM* (No. 183 of 1921) 20 per cent by five monthly instalments of 4 per cent each. The last instalment to be paid within four months after the approval of the Court.

- (c) *Re* TAN CHAN LEONG (No. 260 of 1921) 50 per cent to be paid at once after the approval of the composition by the Court.
- (d) *Re* ALBERT ALEXANDER DAY (No. 291 of 1921) 40 per cent to be paid at once after the approval of the composition by the Court.
15. *Penang*.—Two compositions were approved by the Court as follows:—
- (1) *Re* W. H. JAMBU (No. 14 of 1921) 30 per cent to be paid within one month from the date of approval by the Court.
- (2) *Re* Chop KHENG LIAN SENG (No. 23 of 1921) 50 per cent to be paid by 5 monthly instalments of 10 per cent.
16. *Singapore*.—One deed of arrangement was registered during the year.

Summonses for Discovery (Section 26).

17. *Singapore*.—Thirteen summonses were issued in respect of eight estates, 4 were withdrawn, 8 proceeded with and one is still pending. In one the witness was ordered by the Court to be prosecuted for perjury.
18. *Penang*.—One of the partners of Chop KIM THYE (No. 13 of 1921) was examined.

Orders under Section 50 and Section 99.

19. Thirteen Orders were made under section 50 for appropriation of the bankrupt's salary for the benefit of his creditors. The monthly payments ordered were \$40, \$25, \$20, \$15, \$10, \$6, \$5 and \$3.
20. The District Court made one Administration Order which was later cancelled on evidence that the debtor had only one creditor.
21. *Penang*.—One order was made under section 50 to pay \$40 per mensem. No order was made under section 99.

Warrants.

22. *Singapore*.—Four warrants under section 24 were issued for the arrest of the following persons:—

- (1) GOH PENG ENG (No. 132 of 1919).
- (2) M. KARIM (No. 19 of 1921).
- (3) CHOO CHAY HONG (No. 129 of 1921).
- (4) LOW SEOW KEAT (No. 294 of 1921).

The first three were arrested. In the last case the warrant for the bankrupt's arrest was suspended and was not executed.

23. *Penang*.—Five warrants were issued under section 24 for the arrest of the following bankrupts:—

- (1) S. HARIKRISHNA NAIDOO (No. 1 of 1921).
- (2) P. M. S. ABDUL KADER (No. 16 of 1921).
- (3) GOH KIM GUAN (No. 29 of 1921).
- (4) KHOO HUN TEE (No. 18 of 1920).
- (5) CHAN HONG (No. 20 of 1920).

None of the warrants were executed.

Applications for Orders of Committal.

24. *Singapore*.—Four applications were made to commit debtors who had made default in payment of instalments under section 50. Three were withdrawn on the debtors paying up the arrears due; in the fourth case the Court made no order on the debtor undertaking to pay \$30 per mensem for five months to the Official Assignee.

25. *Penang*.—No application for committal was made.

Sections 16 and 23.

26. *Singapore*.—One application was made to commit a bankrupt but the Court made no order.

Judgment Summonses under Rule 232 (4).

27. No judgment summonses were issued during the year.

Criminal Prosecution.

28. *Singapore*.—WILLIAM FORTUN DROOGLEVER (No. 94 of 1921) was arrested and charged with giving false evidence at his preliminary examination. He pleaded guilty and was sentenced to one day's imprisonment and a fine of \$300 or in default 3 months' imprisonment.

(2) RAMDAYAL GWALA was prosecuted under section 101 (1) (iii) for obtaining credit exceeding \$100 whilst an undischarged bankrupt. He was convicted and sentenced to a fine of \$10 or 3 months' imprisonment and ordered to pay \$120 to the complainant or in default to undergo three months' imprisonment.

Orders to undergo Imprisonment under Section 107A.

29. *Singapore*.—(a) SEOW ENG CHOO (No. 88 of 1920) at the close of his public examination was ordered by the Court to undergo two weeks' imprisonment for keeping no proper books of account.

(b) M. KARIM of M. Karim & Company (No. 19 of 1921) after his public examination was called upon to show cause why he should not undergo imprisonment for having contracted a debt in respect of 500 tons of coal provable in bankruptcy without having any reasonable ground of being able to pay it. The Court made no order.

(c) K. HAJI KADER THAMBY (No. 42 of 1921) at the close of his public examination was ordered by the Court to undergo six weeks' imprisonment for not producing his books of account.

30. *Penang*.—The Assistant Official Assignee moved the Court for an order against TAN BENG YEONG of Chops HIN MOH and KENG MOH (No. 26 of 1921) on the ground that he had contributed to his bankruptcy by extravagance. The motion was dismissed.

Legal Proceedings.

31. *Singapore*.—(a) *Re* BOEY PAK LEONG.

The bankrupt had mortgaged his share in his grandfather's and his father's estate as security for costs; the mortgage was stamped to cover \$3,000. The estates were being administered under supervision of the Court and the mortgagees' claim (\$3,730.90) was on record; but on orders made with the knowledge of the mortgagees the full amount of the bankrupt's shares had been paid out to the Official Assignee. Thereafter the mortgagees transferred the mortgage to the bankrupt's mother. Counsel for the transferee, without demanding payment from the Official Assignee, moved the Court that the Official Assignee should repay to her the sum of \$3,730.90 and certain interest with costs. During an adjournment of the hearing of the motion the mortgage was impressed with further stamp duty and penalty. The Court made an order in terms of the motion, except that the costs were disallowed.

32. *Penang*.—An indenture of mortgage dated 6th July, 1921, made between LIM CHENG HEONG of Chop BAN SWEE BEE (No. 42 of 1921), mortgagor, and LIM HOOI HONG, mortgagee, was by order of the Court dated 1st November, 1921, set aside as fraudulent and void against the Official Assignee.

Directions.

33. (1) *Re* BERLI & Company.

The Official Assignee applied to the Court for directions on the question whether he might serve the Receiving Order on A. BERLI, a bankrupt, who resided in Bangkok.

No provision is made in the local rules for service of Receiving Orders and subsequent documents out of the jurisdiction.

The Court in accordance with the English practice gave leave to serve the Receiving Order by posting it in a prepaid registered envelope addressed to the last known address of the bankrupt in Bangkok.

(2) *Re W. F. DROOGLEVER.*

The Official Assignee applied to the Court for directions as to whether an employee having obtained judgment for salary due to him should be still treated as a preferential creditor. The Court held that the employee should be paid preferentially.

Amount of Insolvency, Liabilities and Gross Assets.

34. *Singapore.*—The gross liabilities estimated in debtor's Statement of Affairs were \$6,658,325.34 as against \$3,596,114.84 in 1920 and the gross estimated assets \$1,178,384.59 as against \$960,865.10 in 1920. The estimated loss to creditors was \$5,479,940.75 compared with \$2,625,249.74 in 1920; the estimated loss per centum was 82'30 compared with 73'28 in 1920.

35. *Penang.*—The gross estimated liabilities were \$931,324.35 as against \$55,113.97 in 1920 and the estimated assets were \$118,125.87 as against \$9,298.55 in 1920 and the estimated loss amounted to \$813,774 as against \$45,815.42. The estimated loss per centum was 87'38 as against 83'12 in 1920.

Nationalities.

36. *Singapore.*—Under the 91 Receiving Orders made during the year 101 persons were adjudged bankrupt, viz:—Chinese 71, Natives of India 15, Eurasians 4, Japanese 2, Europeans 7 and Ceylonese and Australian one each.

37. *Penang.*—Under the 53 Receiving Orders made during the year 54 persons were adjudged bankrupt, viz:—Chinese 37, Natives of India 16 and Parsee one.

38. *Malacca.*—Under the 2 Receiving Orders made during the year, one person, a native of India, was adjudged bankrupt. The other debtor was Chinese.

Occupations.

39. *Singapore.*—

Chinese.—Traders 57, Clerks 6, Motor Car hirers 5, Rubber planter, Tram Inspector and Book-keeper one each.

Indians.—Traders 7, Bullock-cart owners 3, Milk seller, Priest, Gate-keeper, Proof-reader, and no occupation one each.

Europeans.—Traders five, Accountant and Book-keeper and Municipal servant one each.

Australian.—Merchant one.

Japanese.—Traders two.

Ceylonese.—Lodging-house keeper one.

Eurasians.—Clerks 4.

40. *Penang.*—

Chinese.—Traders 29, Coconut planter and Copra dealers 3, Cashiers 2, Insurance Agent, Planter and Broker one each.

Indians.—Traders 8, Professional Entertainer, Toddy-shop keeper, Store-keeper, Assistant Bailiff one each, Clerks and unemployed two each.

Parsee.—Trader and Cinema manager.

41. *Malacca.*

Indian.—Trader one.

Chinese.—Trader one.

42. *Singapore*.—Twenty-nine dividends were declared in as many bankruptcies and administrations. Dividends of 100 per cent was paid in four cases, in two of which 8 per cent interest from the date of the Receiving Order was paid in addition; in two other cases payment of 100 per cent was completed by a final dividend.

43. *Penang*.—Fourteen dividends were declared in as many bankruptcies.

44. *Malacca*.—Two dividends were declared in two bankruptcies.

Applications for Discharge.

45. *Singapore*.—There were 16 applications for discharge. Four were refused, one was granted unconditionally and 11 were granted but suspended for periods varying from one week to two years. Of the bankruptcies one each dated from 1904, 1908, 1910, 1914, 1916, 1917 and 1919, two from 1912, three from 1915 and four from 1918.

46. *Penang*.—There were 4 applications for discharge, of which two were granted absolutely and two were suspended for 7 days and 2 months respectively. The bankrupts were adjudicated in 1909, 1911 and 1921 (two).

Annulment on payment in full.

47. *Singapore*.—Applications for Rescission of Receiving Order and Annulment of Adjudication were made in two cases on the ground that the debts had been paid in full. One of the bankruptcies dated back to 1916 and the other was a 1918 matter.

Annulment on other grounds.

48. *Singapore*.—Rescission and annulment were granted in one case on the application of the Official Assignee on the ground that the bankrupt had died before the date of the Receiving Order.

49. *Penang*.—Two applications were made for Rescission of Receiving Orders and Annulment of Adjudication Orders on the ground that the debts were paid in full. One of these applications made by the attorney of the bankrupt who had absconded, was dismissed.

Rescission of Receiving Orders.

50. *Singapore*.—Three Receiving Orders were rescinded on the ground that the companies were illegal associations.

General.

51. *Singapore*.—The General Association for Education, a Society, was wound up by the Official Assignee under the Societies Ordinance, 1909.

52. The Official Assignee became the Administrator of the estate of two deceased persons.

53. *Penang*.—One Society was wound up by the Assistant Official Assignee. A commission of \$17.38 was collected and paid into Colonial revenue.

54. The Assistant Official Assignee in Penang also acted in aid of the Official Assignee, Madras, in a Madras Bankruptcy in the realisation of the assets of the Penang Branch of V. R. P. S. T. MARIMUTHU MUDALIAR and Brothers.

55. The effects of the general slump were well in evidence during the year.

In Singapore there were 65 trade bankruptcies. In two cases the debtor proved to be an illegal association of more than 20 persons; in these and in one other case the Receiving Orders were rescinded without any adjudication. In another case the representative of the debtor firm claimed that he was acting for a company incorporated in French Indo-China (which was not registered

with the Registrar of Companies). The debtors included 5 Europeans, 8 Indians and 4 Japanese. In 22 cases the debtors absconded (including 2 Indians, 2 Japanese and one European); in 8 of these cases no books of account were forthcoming.

The bankruptcies of which details are known may be classified according to the liabilities, as follows:—

| \$ | \$ | | | |
|--------------------|----|-----|-----|----|
| 500,001 and over | | ... | ... | 3 |
| 300,001 to 500,000 | | ... | ... | 3 |
| 100,001 „ 300,000 | | ... | ... | 4 |
| 50,001 „ 100,000 | | ... | ... | 9 |
| 20,001 „ 50,000 | | ... | ... | 17 |
| 10,001 „ 20,000 | | ... | ... | 6 |
| 10,000 and below | | ... | ... | 12 |
| | | | | — |
| | | | | 54 |
| | | | | — |

In Penang there were 43 trade bankruptcies, 11 of Indians, and 32 of Chinese. In 20 cases the debtors (8 Indians and 12 Chinese) absconded before the making of the Receiving Order. In only one of these cases could the books of account be found.

These bankruptcies are classified as follows:—

| \$ | \$ | | | |
|-------------------|----|-----|-----|----|
| 152,283 | — | ... | ... | 1 |
| 50,001 to 100,000 | | ... | ... | 4 |
| 20,001 „ 50,000 | | ... | ... | 9 |
| 10,001 „ 20,000 | | ... | ... | 6 |
| 10,000 and under | | ... | ... | 23 |
| | | | | — |
| | | | | 43 |
| | | | | — |

The following Appendices are attached:—

Appendix I, Table A.—Statement of Revenue and Expenditure since the commencement of the Ordinance, 1888 for Singapore

Appendix I, Table A.—Statement of Revenue and Expenditure since the Department was started for Penang.

Appendix I, Table B.—Total amount of insolvency in the Colony during the last 10 years as estimated in Statements of Affairs.

Appendix II.—Receiving and Administration Orders, Singapore, Penang, and Malacca.

C. J. SAUNDERS.

SINGAPORE, 27th June, 1922.

Official Assignee.

APPENDIX I.

Table A.

Statement of the Revenue and Expenditure of the Bankruptcy Department for Singapore since the commencement of the Bankruptcy Ordinance, 1888.

| YEAR, | | | Revenue. | Expenditure. | Surplus. | Deficiency. |
|-----------|-----|-----|------------|--------------|------------|-------------|
| | | | \$ c. | \$ c. | \$ c. | \$ c. |
| 1889 | .. | ... | 5,495 34 | 8,303 29 | ... | 2,807 95 |
| 1890 | ... | ... | 7,261 61 | 9,043 92 | ... | 1,782 31 |
| 1891 | ... | ... | 13,307 68 | 10,015 48 | 3,292 20 | ... |
| 1892 | ... | ... | 8,246 83 | 10,389 74 | ... | 2,142 91 |
| 1893 | ... | ... | 7,389 06 | 9,811 25 | ... | 2,422 19 |
| 1894 | ... | ... | 7,887 05 | 10,542 64 | ... | 2,655 59 |
| 1895 | ... | ... | 4,127 01 | 11,333 53 | ... | 7,206 52 |
| 1896 | ... | ... | 6,987 18 | 11,596 33 | ... | 4,609 15 |
| 1897 | ... | ... | 4,780 16 | 11,120 03 | ... | 6,339 87 |
| 1898 | ... | ... | 4,993 35 | 10,561 98 | ... | 5,568 63 |
| 1899 | ... | ... | 7,558 81 | 11,292 01 | ... | 3,733 20 |
| 1900 | ... | ... | 6,599 12 | 11,588 62 | ... | 4,989 50 |
| 1901 | ... | ... | 6,728 36 | 9,378 37 | ... | 2,650 01 |
| 1902 | ... | ... | 12,591 08 | 14,223 25 | ... | 1,632 17 |
| 1903 | ... | ... | 11,357 07 | 14,463 14 | ... | 3,106 07 |
| 1904 | ... | ... | 14,461 76 | 14,090 52 | 371 24 | ... |
| 1905 | ... | ... | 17,172 22 | 13,203 80 | 3,968 42 | ... |
| 1906 | ... | ... | 23,554 01 | 14,124 92 | 9,429 09 | ... |
| 1907 | ... | ... | 22,197 82 | 14,627 94 | 7,569 88 | ... |
| 1908 | ... | ... | 27,344 01 | 14,656 63 | 12,687 38 | ... |
| 1909 | ... | ... | 34,820 21 | 14,380 75 | 20,439 46 | ... |
| 1910 | ... | ... | 21,158 47 | 14,492 46 | 6,666 01 | ... |
| 1911 | ... | .. | 19,007 04 | 15,089 93 | 3,917 11 | ... |
| 1912 | ... | ... | 15,638 91 | 15,839 15 | ... | 200 24 |
| 1913 | ... | ... | 17,554 17 | 15,607 11 | 1,947 06 | ... |
| 1914 | ... | ... | 32,779 22 | 10,667 67 | 22,111 58 | ... |
| 1915 | ... | ... | 29,588 47 | 29,922 31 | ... | 333 84 |
| 1916 | ... | ... | 30,993 04 | 30,010 95 | 982 09 | ... |
| 1917 | ... | ... | 38,310 07 | 31,024 35 | 7,285 72 | ... |
| 1918 | ... | ... | 35,460 04 | 30,867 89 | 4,592 15 | ... |
| 1919 | ... | ... | 35,260 40 | * 44,064 07 | ... | * 8,203 67 |
| 1920 | ... | ... | 34,378 64 | 41,635 90 | ... | 7,257 26 |
| 1921 | ... | ... | 58,775 04 | 48,364 50 | 10,410 54 | ... |
| Total ... | | | 624,363 25 | 576,334 43 | 115,669 90 | 67,641 08 |

* Adjusted to include payments in respect of 1919 made in 1920.

APPENDIX I.—*Continued.*

Table A.

Statement showing the Revenue and Expenditure of the Bankruptcy Department, Penang, in each year for the last 17 years.

| YEAR. | | | Revenue. | Expenditure. | Surplus. | Deficiency. |
|-------|-----|-----|----------|--------------------------|----------|-------------|
| | | | \$ c. | \$ c. | \$ c. | \$ c. |
| 1905 | ... | ... | 6,358 99 | 2,112 80 | 4,246 19 | ... |
| 1906 | ... | ... | 5,292 84 | 3,103 99 | 2,188 85 | ... |
| 1907 | ... | ... | 4,492 99 | 3,393 22 | 1,099 77 | ... |
| 1908 | ... | ... | 5,963 91 | 2,893 20 | 3,070 71 | ... |
| 1909 | ... | ... | 6,950 71 | 4,327 80 | 2,622 91 | ... |
| 1910 | ... | .. | 7,389 43 | 5,483 28 | 1,906 15 | ... |
| 1911 | ... | ... | 4,962 11 | 5,559 09 | ... | 587 98 |
| 1912 | ... | ... | 4,190 62 | 5,318 92 | ... | 1,128 30 |
| 1913 | ... | ... | 3,614 98 | 5,212 12 | ... | 1,597 14 |
| 1914 | ... | ... | 4,441 63 | 5,862 40 | ... | 1,420 77 |
| 1915 | ... | ... | 4,150 36 | 5,845 51 | ... | 1,695 15 |
| 1916 | ... | ... | 1,929 24 | 5,934 30 | ... | 4,005 06 |
| 1917 | ... | ... | 2,656 02 | 5,635 61 | ... | 2,979 59 |
| 1918 | ... | ... | 3,750 11 | * 8,329 21 | ... | 4,579 10 |
| 1919 | ... | ... | 2,992 82 | * 6,628 60 | ... | 3,635 78 |
| 1920 | ... | ... | 1,467 68 | a 7,332 03 b 1,588 80 | | |
| 1921 | ... | ... | 5,016 76 | 8,920 83 | ... | 7,453 15. |
| | | | | a 7,964 00 | | |
| | | | | b 1,368 09 c 54 00 | ... | 4,369 33 |

* Includes Temporary allowances.

(a) Salaries of Staff. (b) Temporary Allowances. (c) Other Charges, Annually Recurrent.

APPENDIX I.—Continued.

Table B.

Statement of the Total Amount of Insolvency during the last 10 years as estimated in Statements of Affairs:—

| — | | No. of Receiving Orders. | Estimated Liabilities. | Estimated Assets. | Net esti- mated loss to Credi- tors. | Estimated loss per centum. |
|------|---------|--|---------------------------|----------------------|---|----------------------------------|
| | | | \$ c. | \$ c. | \$ c. | |
| 1912 | { S.... | 32 | 373,434 00 | 83,810 00 | 289,624 00 | 77'56 |
| | { P.... | 10 | 192,876 00 | 21,111 00 | 171,765 00 | 89'06 |
| | { M.... | 1 | 4,675 00 | 2,451 00 | 2,224 00 | 47'57 |
| 1913 | { S. . | 54 | 1,617,734 00 | 373,524 00 | 1,224,209 00 | 76'91 |
| | { P.... | 15 | 119,969 00 | 67,019 00 | 52,950 00 | 44'13 |
| | { M.... | 2 | ... | ... | ... | ... |
| | | No Statements of Affairs were filed. | | | | |
| 1914 | { S.... | 80 | 5,681,379 32 | 1,624,809 70 | 4,056,569 70 | 71'40 |
| | { P.... | 16 | 77,780 90 | 54,823 49 | 22,957 41 | 29'51 |
| | { M.... | 3 | 27,230 93 | 7,642 53 | 19,588 40 | 71'93 |
| 1915 | { S.... | 68 | 994,871 02 | 263,090 30 | 681,780 72 | 72'14 |
| | { P.... | 11 | 29,058 55 | 4,647 48 | 24,411 07 | 84'01 |
| | { M... | 2 | 21,974 39 | 4,461 79 | 17,512 50 | 79'69 |
| | | In 7 cases no Statements of Affairs were filed. | | | | |
| 1916 | { S.... | 47 | 614,889 96 | 202,064 52 | 412,825 44 | 67'13 |
| | { P.... | 14 | 43,736 76 | 7,239 33 | 36,497 43 | 83'45 |
| | { M.... | 2 | 12,940 54 | 9,749 68 | 3,190 86 | 24'65 |
| | { L.... | 1 | 785 87 | 335 50 | 450 37 | 57'30 |
| | | In 3 cases no Statements of Affairs were filed. | | | | |
| 1917 | { S... | 43 | 489,097 00 | 199,806 00 | 289,291 00 | 59'14 |
| | { P.... | 23 | 24,673 20 | 3,831 16 | 20,842 00 | 84'47 |
| | { M.... | 1 | 45,458 20 | 20,175 53 | 25,282 67 | 55'61 |
| | | In 4 cases no Statements of Affairs were filed. | | | | |
| | | In 10 cases no Statements of Affairs were filed. | | | | |

APPENDIX I.—*Continued.*Table B.—*Continued.*

| — | | No. of Receiving Orders. | Estimated Liabilities. | Estimated Assets. | Net esti- mated loss to Creditors | Estimated loss per centum. |
|------|-------|---|---------------------------|----------------------|---|----------------------------------|
| | | | \$ c. | \$ c. | \$ c. | |
| 1918 | S.... | 49 | 651,867 84 | 227,212 48 | 424,655 36 | 65·14 |
| | P.... | 12 | 105,975 99 | 41,207 72 | 64,768 27 | 61·11 |
| | M.... | 3 | 4,726 40 | ... | 4,726 40 | 100·00 |
| | | In 8 cases no Statements of Affairs were filed. | | | | |
| | | In 1 case no Statement of Affairs was filed. | | | | |
| 1919 | S.... | 38 | 349,602 42 | 176,630 06 | 172,972 36 | 49·47 |
| | P.... | 6 | 33,128 73 | 18,191 46 | 14,937 27 | 45·08 |
| | M.... | 3 | 18,982 83 | 18,805 91 | 176 92 | ·09 |
| | | In 2 cases no Statements of Affairs were filed. | | | | |
| 1920 | S.... | 57 | 3,596,114 84 | 960,565 10 | 2,635,249 74 | 73·28 |
| | P.... | 10 | 55,113 97 | 9,298 55 | 45,815 42 | 83·12 |
| | M.... | 3 | 7,552 27 | 4,771 67 | 2,780 50 | 36·81 |
| | | In 11 cases no Statements of Affairs were filed. | | | | |
| 1921 | S.... | 94 | 6,658,325 34 | 1,178,384 59 | 5,479,940 75 | 82·30 |
| | P.... | 54 | 931,324 35 | 118,125 87 | 813,774 00 | 87·38 |
| | M.... | 2 | ... | ... | ... | ... |
| | | In 17 cases no Statements of Affairs were filed. | | | | |
| | | In 24 cases no Statements of Affairs were filed. | | | | |
| | | No Statements of Affairs were filed. | | | | |

APPENDIX II

Singapore.**Receiving Orders.**

| | | | |
|---|-----|-------|----|
| (1) <i>Re</i> FRANCIS REYES (No. 1 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | 1,745 | 20 |
| Assets estimated by the debtor | ... | Nil. | |
| Amount realised | ... | 40 | 04 |

Description: Clerk. Address: No. 92, Middle Road. Date of Receiving and Adjudication Orders: 5th January, 1921. Date of Order for Summary Administration: 10th February, 1921. Proofs lodged \$1,018.50.

The bankrupt was ordered by the Court to pay \$5 per mensem to the Official Assignee for the benefit of his creditors.

(2) *Re* GANI BROTHERS (No. 160 of 1921):—

| | | | |
|-----------------|-----|----|----|
| | | \$ | c. |
| Amount realised | ... | 26 | 01 |

Description: Traders. Address: No. 186, Cecil Street.

Date of Receiving Order: 21st January, 1921. Date of Order for Summary Administration: 24th February, 1921. Proofs lodged \$232,605.96. No Statement of Affairs was filed as the debtors disappeared before the date of the Receiving Order.

| | | | |
|--|-----|--------|----|
| (3) <i>Re</i> Chop GUAN CHIN (No. 2 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | 28,197 | 83 |
| Assets estimated | ... | 2,500 | 00 |
| Amount realised | ... | 2,698 | 26 |

Description: Traders. Address: No. 114, Cross Street. Date of Receiving Order: 21st January, 1921, and of Adjudication Order against TAY EK YANG, 22nd April, 1921. Proofs lodged \$8,107.36.

Proof lodged \$8,107.36.

The Statement of Affairs was prepared by the staff of the Bankruptcy Office from books found in the debtor's shop.

The debtor disappeared before the date of the Receiving Order.

| | | | |
|---|-----|----|----|
| (4) <i>Re</i> KAWASHIMA & Company (No. 158 of 1920):— | | \$ | c. |
| Amount realised | ... | 95 | 25 |

Description: Traders. Address: No. 494, North Bridge Road. Date of Receiving Order and Adjudication Order against KAWASHIMA 21st January, 1921. Date of Order for Summary Administration 9th March, 1921. Proofs lodged \$3,805.

No Statement of Affairs was filed as the debtors disappeared before the date of the Receiving Order.

(5) *Re* TAY CHIN KEE of Chop HONG CHIN (No. 183 of 1920):—

| | | | |
|------------------------------|-----|---------|----|
| | | \$ | c. |
| Liabilities expected to rank | ... | 547,237 | 25 |
| Assets | ... | — | |
| Amount realised | ... | 11,044 | 57 |

Description: Trader. Address: No. 606, North Bridge Road. Date of Receiving and Adjudication Orders: 21st January, 1921. Proofs lodged \$315,495.93.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

6. *Re LOH SIEW HOANG alias LO AH KIONG* (No. 15 of 1921).

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 41,450 | 18 |
| Assets estimated by the debtor | ... | ... | 15,106 | 36 |
| Amount realised | ... | ... | 13,037 | 77 |

Description: trader. Address: No. 62, Tras Street. Date of Receiving and Adjudication Orders: 29th January, 1921. Proofs lodged \$51,888.04.

7. *Re MAHA PRASAD* (No. 16 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | .. | 3,595 | 00 |
| Assets estimated by the debtor | ... | .. | 859 | 93 |
| Amount realised | ... | ... | 805 | 44 |

Description: Milk seller. Address: No. 1030, Serangoon Road. Date of Receiving and Adjudication Orders: 29th January, 1921. Date of Order for Summary Administration, 12th February, 1921. Proofs lodged \$4,544.55.

8. *Re DAISAM & COMPANY* (No. 178 of 1920):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 4,028 | 46 |
| Assets estimated by debtor | ... | ... | 6,719 | 55 |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 3, Change Alley. Date of Receiving Order: 28th January, 1921, and of Adjudication Order against JUZIRO OTAKA, 29th July, 1921. Proofs lodged \$4,129.04.

9. *Re CHENG & CHENG UNITED* (No. 159 of 1920):—

| | | | \$ | c. |
|-----------------|-----|-----|------|----|
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: Burlington House, Coleman Street. Date of Receiving Order: 7th January, 1921. Proofs lodged, Nil.

There was no adjudication; it is possible that CHENG & CHENG United is a Company incorporated in French Indo-China.

10. *Re PATRICK THEOPHILUS DALY* (No. 13 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 85,236 | 00 |
| Assets estimated by the debtor | ... | ... | 6,672 | 23 |
| Amount realised | ... | ... | 23 | |

Description: Merchant. Address: No. 7, Lorong 32, Geylang Road. Date of Receiving and Adjudication Orders: 18th February, 1921. Date of Order for Summary Administration, 22nd March, 1921. Proofs lodged \$80,624.78.

11. *Re Chop HONG THYE* (No. 185 of 1920):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 9,390 | 00 |
| Assets estimated by the debtor | ... | .. | 1,619 | 00 |
| Amount realised | ... | ... | 609 | 95 |

Description: Traders. Address: No. 2, Lavender Street. Date of Receiving Order, 4th March, 1921, and Adjudication Order against NG HOH GUAN, 4th March, 1921. Date of Order for Summary Administration, 22nd March, 1921. Proofs lodged, \$4,840.96.

| | | | |
|--|-----|-----|----------|
| 12. <i>Re</i> YEO HOCK SOON (No. 47 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | ... | 1,559 00 |
| Assets estimated by the debtor | ... | ... | 30 00 |
| Amount realised | ... | ... | 42 00 |

Description: Clerk. Address: No. 58, Minto Road. Date of Receiving and Adjudication Orders, 2nd March, 1921. Date of Order for Summary Administration, 23rd March, 1921. Proofs lodged, \$307.50.

The bankrupt was ordered by the Court to pay \$6 a month to the Official Assignee for the benefit of his creditors.

| | | | |
|---|-----|-----|-----------|
| 13. <i>Re</i> LEE KEE YONG (No. 46 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | ... | 40,500 00 |
| Assets estimated by the debtor | ... | ... | 18,440 00 |
| Amount realised | ... | ... | Nil. |

Description: Rubber Planter. Address: No. 1421, Joo Chiat Road. Date of Receiving and Adjudication Orders, 11th March, 1921. Proofs lodged \$10,476.65.

| | | | |
|---|-----|-----|-----------|
| 14. <i>Re</i> Chop SIN SENG MOH (No. 8 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | ... | 76,722 99 |
| Assets estimated | ... | ... | 310 00 |
| Amount realised | ... | ... | 310 09 |

Description: Merchants. Address: No. 20, Synagogue Street. Date of Receiving Order: 4th March, 1921, and Adjudication Order against KHOO YEOW SIONG: 4th March, 1921. Proofs lodged \$864,644.80.

The debtor disappeared before the date of the Receiving Order.

| | | | |
|--|-----|-----|----------|
| 15. <i>Re</i> KORALA KANKANUNGE DAVID (No. 59 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | ... | 4,142 75 |
| Assets estimated by the debtor | ... | ... | 4,240 44 |
| Amount realised | ... | ... | 25 00 |

Description: Lodging-house keeper. Address: No. 174, Queen Street. Date of Receiving and Adjudication Orders: 15th March, 1921. Proofs lodged \$2,485.60.

| | | | |
|---|-----|-----|-----------|
| 16. <i>Re</i> H. KARIM & COMPANY (No. 19 of 1921):— | | \$ | c. |
| Liabilities expected to rank | ... | ... | 86,279 97 |
| Assets estimated by the debtor | ... | ... | 13,685 87 |
| Amount realised | ... | ... | Nil |

Description: Merchants. Address: No. 32, Robinson Road. Date of Receiving Order: 18th March, 1921, and date of Adjudication Order against H. KARIM: 18th March, 1921. Proofs lodged \$86,506.88.

| | | |
|--|-------|----|
| 17. <i>Re</i> SONG HUP CHIN (No. 63 of 1921):— | \$ | c. |
| Liabilities expected to rank | 1,406 | 40 |
| Assets estimated by the debtor | Nil. | |
| Amount realised | 70 | 00 |

Description: Clerk. Address: No. 2347, Lorong Joo Chiat, No. 1. Date of Receiving and Adjudication Orders: 22nd March, 1921. Date of Order for Summary Administration: 5th April, 1921. Proofs lodged, \$1,368.64.

The bankrupt was ordered by the Court to pay \$10 per mensem to the Official Assignee for the benefit of his creditors.

| | | |
|--|---------|----|
| 18. <i>Re</i> Chop KWONG YANG HIN (No. 50 of 1921):— | \$ | c. |
| Liabilities expected to rank | 406,239 | 24 |
| Assets estimated | 34,739 | 89 |
| Amount realised | 48,456 | 12 |

Description: Traders. Address: Nos. 15, 16 and 18, North Canal Road. Date of Receiving Order: 8th April, 1921, and Adjudication Order against LYE JOON SANG: 8th April 1921. Proofs lodged, \$464,765.60.

The debtor disappeared before the date of the Receiving Order.

| | | |
|---|---------|----|
| 19. <i>Re</i> LOW TENG LENG of Chop GUAN CHIN HONG (No. 93 of 1921):— | \$ | c. |
| Liabilities expected to rank | 465,655 | 91 |
| Assets estimated by the debtor | 159,406 | 21 |
| Amount realised | 45,476 | 00 |

Description: Trader. Address: No. 17 and 94, Robinson Road. Date of Receiving Order and Adjudication Order: 16th April, 1921. Proofs lodged, \$496,261.25.

| | | |
|--|-----------|----|
| 20. <i>Re</i> NICHOLAS JOHN PERRY (No. 34 of 1921):— | \$ | c. |
| Liabilities expected to rank | 68,574 | 13 |
| Assets estimated | Doubtful. | |
| Amount realised | 4,076 | 21 |

Description: Merchant. Address: No. 6B, Malacca Street. Date of Receiving and Adjudication Orders: 22nd April, 1921. Proofs lodged, \$53,782.68.

The debtor disappeared before the date of the Receiving Order.

| | | |
|--|-----|----|
| 21. <i>Re</i> NELSON WIDDUP (No. 35 of 1921):— | \$ | c. |
| Liabilities expected to rank | 938 | 00 |
| Assets estimated by the debtor | 18 | 00 |
| Amount realised | 15 | 75 |

Description: Merchant. Address: No. 62, Robinson Road. Date of Receiving and Adjudication Orders: 22nd April, 1921. Date of Order for Summary Administration: 18th July, 1921. Proofs lodged, \$35,829.45.

| | | |
|---|-------|----|
| 22. <i>Re</i> BHAGAT SINGH (No. 68 of 1921):— | \$ | c. |
| Liabilities expected to rank | 3,435 | 00 |
| Assets estimated by the debtor | 188 | 75 |
| Amount realised | 684 | 75 |

Description: Motor-loiry Owner. Address: Potong Pasir, 4th mile, Serangoon Road. Date of Receiving and Adjudication Orders: 22nd April, 1921. Date of Order for Summary Administration: 2nd August, 1921. Proofs lodged \$3,394.08.

The bankrupt was ordered by the Court to pay \$10 per mensem to the Official Assignee for the benefit of his creditors.

23. *Re K. HAJEE KADER THAMBY* (No. 41 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,059 | 82 |
| Assets estimated by the debtor | ... | ... | 285 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 30, Mayo Street. Date of Receiving and Adjudication Orders: 22nd April, 1921. Date of Order for Summary Administration: 24th May, 1921. Proofs lodged, \$5,764.80.

24. *Re ANDRE VILHELM HANS BORK* (No. 108 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|---------|----|
| Liabilities expected to rank | ... | ... | 140,219 | 93 |
| Assets estimated by the debtor | ... | ... | 33,813 | 38 |
| Amount realised | ... | ... | 11,573 | 52 |

Description: Merchant. Address: No. 6-8, Malacca Street and No. 93-3, Pasir Panjang Road. Date of Receiving and Adjudication Orders: 30th April, 1921. Proofs lodged \$162,750.72.

25. *Re KUNDAN LALL* (No. 104 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,485 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Bullock-car owner. Address: 763, Havelock Road. Date of Receiving and Adjudication Orders: 28th April, 1921. Date of Order for Summary Administration: 9th August, 1921. Proofs lodged, \$4,110.38.

26. *Re R. de CRUZE* (No. 106 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,128 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | 136 | 00 |

Description: Clerk. Address: No. 61, Telok Blangah Road. Date of Receiving and Adjudication Orders: 29th April, 1921. Date of Order for Summary Administration: 27th June, 1921. Proofs lodged, \$1,782.

The bankrupt was ordered by the Court to pay \$25 per mensem to the Official Assignee for the benefit of his creditors.

27. *Re W. J. DROOGLEVER* (No. 94 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 17,202 | 65 |
| Assets estimated by the debtor | ... | ... | 55 | 00 |
| Amount realised | ... | ... | 92 | 25 |

Description: Trader. Address: No. 1, Orchard Road and No. 1-3, Tanjong Katong Road. Date of Receiving and Adjudication Orders: 19th April, 1921. Date of Order for Summary Administration: 9th June, 1921. Proofs lodged, \$40,265.73.

28. *Re KIM CHUAN TIN* (No. 103 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 34,729 | 37 |
| Assets estimated | ... | ... | 3,539 | 65 |
| Amount realised | ... | ... | 1,652 | 66 |

Description: Trader. Address: No. 47, Duxton Road. Date of Receiving Order: 27th May, 1921, and of Adjudication Order against SONG LAI: 17th June, 1921. Date of Order for Summary Administration: 27th September, 1921. Proofs lodged, \$23,616.64.

The bankrupt's public examination was dispensed with owing to paralysis.

29. *Re* YONG TOONG SEN (No. 123 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-----------|----|
| Liabilities expected to rank | ... | ... | 20,240 | 41 |
| Assets estimated | ... | ... | Doubtful. | |
| Amount realised | ... | ... | 1,299 | 06 |

Description: Trader. Address: No. 3, Church Street. Date of Receiving and Adjudication Orders: 10th June, 1921. Date of Order for Summary Administration: 9th August, 1921. Proofs lodged, \$11,630.04.

The debtor disappeared before the date of the Receiving Order.

30. *Re* CHIN KWONG CHING (No. 133 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 51,487 | 14 |
| Assets estimated by the debtor | ... | ... | 7,765 | 78 |
| Amount realised | ... | ... | 1,505 | 10 |

Description: Trader. Address: No. 80, Rochor Road. Date of Receiving and Adjudication Orders: 18th May, 1921. Proofs lodged, \$34,708.93.

31. *Re* BABOO RAM (No. 142 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 9,085 | 00 |
| Assets estimated by the debtor | ... | ... | 175 | 00 |
| Amount realised | ... | ... | 1,908 | 84 |

Description: Bullock-car owner. Address: No. 763, Havelock Road. Date of Receiving and Adjudication Orders: 27th May, 1921. Date of Order for Summary Administration: 8th September, 1921. Proofs lodged, \$2,908.58.

32. *Re* Chop HIAP GUAN Kongsí (No. 75 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 14,236 | 25 |
| Assets estimated by the debtor | ... | ... | 910 | 23 |
| Amount realised | ... | ... | 24 | 01 |

Description: Traders. Address: No. 19, Amoy Street. Date of Receiving Order: 27th May, 1921, and Adjudication Order against HO AI NEO, HO SIANG TECK, ONG BIANG GUAN, KHO CHIT YONG, KHO KENG LOCK, KHOO NIA BOCK and YAP HONG LIAN: 27th May, 1921. Date of Order for Summary Administration: 22nd July, 1921. Proofs lodged, \$8,408.30.

33. *Re* HEAN & Company (No. 130 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 34,099 | 18 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | 4,109 | 98 |

Description: Merchants. Address: No. N., High Street. Date of Receiving Order: 10th June, 1921. Proofs lodged, \$45,384.84.

The debtors disappeared before the date of the Receiving Order.

34. *Re* Chop KONG HONG LEONG (No. 129 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 44,302 | 55 |
| Assets estimated by the debtor | ... | ... | 1,277 | 63 |
| Amount realised | ... | ... | 1,137 | 70 |

Description: Traders. Address: No. 28, Upper Circular Road. Date of Receiving Order: 10th June, 1921, and Adjudication Orders against CHOO CHAY HONG: 16th September, 1921, and LIM YONG POH and LIM JIAK CHUAN, 23rd September, 1921. Date of Order for Summary Administration, 20th June, 1921. Proofs lodged, \$33,098.14.

Separate Estate of CHOO CHAY HONG.—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 12,000 | 50 |
| Assets estimated by debtor | ... | ... | 150 | 00 |
| Amount realised | ... | ... | Nil. | |
| Proofs lodged | ... | ... | Nil. | |

35. *Re* TAN HOCK TEE (No 72 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,632 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Clerk. Address: No. 40, The Arcade. Date of Receiving and Adjudication Orders: 10th June, 1921. Date of Order for Summary Administration: 13th July, 1921. Proofs lodged, \$2,800.98.

36. *Re* Chop BIAN JOO (No. 157 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 49,732 | 37 |
| Assets estimated by the debtor | ... | ... | 20,946 | 42 |
| Amount realised | ... | ... | 28,708 | 22 |

Description: Ship Chandlers. Address: No. 14, Phillip Street, and No. 9, Lorong 29, Gaylang. Date of Receiving Order: 13th June 1921, and Adjudication Order against QUEK BOON PIN: 13th June, 1921. Proofs lodged, \$70,280.59.

37. *Re* WEE CHIN KIANG (No. 27 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 43,387 | 05 |
| Assets estimated by the debtor | ... | ... | 1,248 | 99 |
| Amount realised | ... | ... | 1,104 | 41 |

Description: Trader. Address: No. 9, Orchard Road (KIANG Brothers), and No. 85, Rochor, Road. Date of Receiving and Adjudication Orders: 10th June, 1921. Date of Order for Summary Administration: 22nd August, 1921. Proofs lodged, \$26,580.36.

38. *Re* MULIA FIDALLY MULLA MOHAMED ALLY (No. 109 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,805 | 08 |
| Assets estimated by the debtor | ... | ... | 4,550 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Priest. Address: No. 50, Hill Street. Date of Receiving and Adjudication Orders: 10th June, 1921. Date of Order for Summary Administration: 12th July, 1921. Proofs lodged, \$7,481.36.

| | | |
|--|-----|----------|
| 39. <i>Re</i> LENG KEE & Company (No. 128 of 1921):— | \$ | c. |
| Liabilities expected to rank | ... | 1,790 51 |
| Assets estimated by the debtor | ... | 1,859 85 |
| Amount realised | ... | 244 00 |

Description: Traders. Address: No. 90, Bencoolen Street. Date of Receiving Order: 17th June, 1921 and Adjudication Orders against BOK LIM WHYE and LEE KWEE LIM: 17th June, 1921. Date of Order for Summary Administration: 7th September, 1921. Proofs lodged, \$1,617.84.

Separate Estate of BOK LIM WHYE.—

| | | |
|--------------------------------|-----|----------|
| | \$ | c. |
| Liabilities expected to rank | ... | 3,836 21 |
| Assets estimated by the debtor | ... | 2,000 00 |
| Amount realised | ... | 115 78 |
| Proofs lodged | ... | Nil. |

40. *Re* YEO ANN JEAN (No. 145 of 1921):—

| | | |
|--------------------------------|-----|----------|
| | \$ | c. |
| Liabilities expected to rank | ... | 3,414 21 |
| Assets estimated by the debtor | ... | 310 00 |
| Amount realised | ... | Nil. |

Description: Trader. Address: No. 67, Teluk Ayer Street. Date of Receiving and Adjudication Orders: 17th June, 1921. Date of Order for Summary Administration: 15th July, 1921. Proofs lodged, \$2,271.53.

| | | |
|--|-----|-----------|
| 41. <i>Re</i> N. MOHAMED IBRAHIM (No. 183 of 1921):— | \$ | c. |
| Liabilities expected to rank | ... | 14,073 12 |
| Assets estimated by the debtor | ... | 1,847 89 |
| Amount realised | ... | 120 00 |

Description: Trader. Address: 507, North Bridge Road. Date of Receiving and Adjudication Orders: 23rd June, 1921. Date of Order for Summary Administration: 12th July, 1921. Proofs lodged, \$12,316.28.

A Composition of 20 per cent payable by 5 equal monthly instalments of 4 per cent each, after approval by the Court was approved.

| | | |
|--|-----|-----------|
| 42. <i>Re</i> SOH ENG CHIANG (No. 150 of 1921):— | \$ | c. |
| Liabilities expected to rank | ... | 66,519 45 |
| Assets estimated by the debtor | ... | 241 22 |
| Amount realised | ... | 2,121 90 |

Description: Trader. Address: Winchester House. Date of Receiving and Adjudication Orders: 1st July, 1921. Date of Administration Order: 19th September, 1921. Proofs lodged, \$59,703.84.

43. *Re* BERLI & Company (No. 168 of 1921):—

| | | |
|------------------------------|-----|------------|
| | \$ | c. |
| Liabilities expected to rank | ... | 937,897 38 |
| Assets estimated | ... | 209,022 68 |
| Amount realised | ... | 138,618 66 |

Description: Merchants. Address: No. 138, Cecil Street. Date of Receiving Order: 1st July, 1921, and Adjudication Order against ARTHUR BERLI: 1st July, 1921. Proofs lodged, \$903,501.65.

The Statement of Affairs was prepared by the debtor's Import Manager, Mr. MAX HILTMANN, as the bankrupt was and remained in Bangkok.

44. *Re CHUA KIM HONG* (No. 148 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 10,199 | 91 |
| Assets estimated by the debtor | ... | ... | 5 | 00 |
| Amount realised | ... | ... | 50 | 00 |

Description: Clerk. Address: No. 248, Bencoolen Street. Date of Receiving and Adjudication Orders: 1st July, 1921. Date of Order for Summary Administration: 1st September, 1921. Proofs lodged, \$817.21.

45. *Re JOSEPH de SILVA* (No. 198 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 959 | 50 |
| Assets estimated by the debtor | ... | ... | 35 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Clerk. Address: No. 18, Albert Street. Date of Receiving and Adjudication Orders: 2nd July, 1921. Date of Order for Summary Administration: 4th August, 1921. Proofs lodged, \$227.60.

46. *Re KOONA ALAGIRISAMY NAIDU* (No. 211 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 738 | 00 |
| Assets estimated by the debtor | ... | ... | 10 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Gate-keeper. Address: No. 50, Nelson Road. Date of Receiving and Adjudication Orders: 8th July, 1921. Date of Order for Summary Administration: 23rd August, 1921. Proofs lodged, \$194.75.

On an application made to the Court under section 50, the Court made no order.

47. *Re TAN BOON YONG* (No. 105 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 19,745 | 03 |
| Assets estimated by the debtor | ... | ... | 200 | 00 |
| Amount realised | ... | ... | 161 | 85 |

Description: Trader. Address: No. 39, North Canal Road. Date of Receiving and Adjudication Orders: 22nd July, 1921. Date of Order for Summary Administration: 3rd August, 1921. Proofs lodged, \$913.95.

48. *Re NG SIANG SUNG* (No. 223 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 42,752 | 57 |
| Assets estimated | ... | ... | 62,397 | 99 |
| Amount realised | ... | ... | 8,434 | 18 |

Description: Trader. Address: No. 329, North Bridge Road. Date of Receiving and Adjudication Orders: 5th August, 1921. Proofs lodged, \$118,450.30.

The debtor disappeared before the date of the Receiving Order.

49. *Re VAVENA MOHAMED KASSIM* (No. 164 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|------|----|
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 90, North Bridge Road. Date of Receiving Order: 22nd July, 1921. Proofs lodged, Nil.

This bankruptcy matter was consolidated with that of *RAMAH ABDULRAHMAN* (No. 163 of 1921):—

| | | |
|---|-----|----------|
| 50. <i>Re</i> RANAH ABDULRAHMAN (No. 163 of 1921):— | \$ | c. |
| Liabilities expected to rank | ... | 8,857 97 |
| Assets estimated by the debtor | ... | 3,072 07 |
| Amount realised | ... | 3,073 96 |

Description: Trader. Address: No. 90, North Bridge Road. Date of Receiving and Adjudication Orders: 22nd July, 1921. Proofs lodged, \$14,460.44.

This bankruptcy matter was consolidated with that of VAVENA MOHAMED KASSIM (No. 164 of 1921):—

51. *Chop* CHEH YEE WOH (No. 165 of 1921):—

| | | |
|-----------------|-----|----------|
| | \$ | c. |
| Amount realised | ... | 2,657 48 |

Description: Goldsmiths. Address: No. 226, South Bridge Road. Date of Receiving Order: 22nd July, 1921. Proofs lodged, \$30,509.35.

No Statement of Affairs was filed as the debtors disappeared before the date of the Receiving Order.

52. *Re* MOONA KADER MEYDIN (No. 28 of 1921):—

| | | |
|-----------------|-----|------|
| | \$ | c. |
| Amount realised | ... | Nil. |

Description: No occupation. Address: No. 152, Arab Street. Date of Receiving and Adjudication Orders: 22nd July, 1921. Proofs lodged, Nil.

No Statement of Affairs was filed as the debtor had left for India before the date of the Receiving Order.

53. *Re* BERTIE WILLIAM BARR (No. 237 of 1921):—

| | | |
|--------------------------------|-----|----------|
| | \$ | c. |
| Liabilities expected to rank | ... | 4,775 03 |
| Assets estimated by the debtor | ... | 968 82 |
| Amount realised | ... | 1,191 75 |

Description: Accountant and Book-keeper. Address: No. 46, Cairnhill Road. Date of Receiving and Adjudication Orders: 29th July, 1921. Date of Order for Summary Administration: 31st August, 1921. Proofs lodged, \$3,393.80.

54. *Re* CHEN BENG HEE otherwise *Chop* SENG KEE (No. 151 of 1921):—

| | | |
|-----------------|-----|------|
| | \$ | c. |
| Amount realised | ... | Nil. |

Description: Traders. Address: No. 204, Beach Road. Date of Receiving and Adjudication Orders: 29th July, 1921. Date of Order for Summary Administration: 1st December, 1921. Proofs lodged, Nil.

The bankrupt absconded before the date of the Receiving Order and no books of account came into the possession of the Official Assignee.

55. *Re* *Chop* YEE WOO CHAN (No. 238 of 1921):—

| | | |
|------------------------------|-----|------------|
| | \$ | c. |
| Liabilities expected to rank | ... | 267,466 18 |
| Assets estimated | ... | 11,062 75 |
| Amount realised | ... | 11,682 75 |

Description: Traders. Address: No. 26, South Bridge Road. Date of Receiving Order: 19th August, 1921, and date of Adjudication Orders against MAK CHONG YEW, CHAN CHEONG THENG and TANG CHOW THI: 19th August, 1921. Proofs lodged, \$105,497.54.

Separate Estate of MAK CHONG YEW.—

| | | | | \$ | c. |
|-----------------|-----|-----|-----|--------|----|
| Amount realised | ... | ... | ... | 6,791 | 75 |
| Proofs lodged | ... | ... | ... | 39,237 | 69 |

MAK CHONG YEW, the principal partner, absconded before the date of the Receiving Order.

56. *Re* WONG SOW MING (No. 122 of 1921):—

| | | | | \$ | c. |
|-----------------|-----|-----|-----|-----|-----|
| Amount realised | ... | ... | ... | 953 | 38. |

Description: Trader. Address: No. 30, Hill Street. Date of Receiving and Adjudication Orders: 5th August, 1921. Date of Order for Summary Administration: 3rd October, 1921: Proofs lodged, \$4,317.86.

This bankruptcy was consolidated with Chop BAN HIN, No. 146 of 1921. (*See* No. 68, below).

The debtor disappeared before the date of the Receiving Order.

57. *Re* Chop LAM SOON (No. 191 of 1921):—

| | | | | \$ | c. |
|--------------------------------|-----|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | ... | 11,194 | 07 |
| Assets estimated by the debtor | ... | ... | ... | 5,430 | 48 |
| Amount realised | ... | ... | ... | 355 | 94 |

Description: Traders. Address: Beach Road. Date of Receiving Order: 5th August, 1921. Date of Adjudication Order against ANG HOA TECK *alias* ENG HWAY HIA and SNG ENG KIONG *alias* SNG HOCK SAN: 3rd March, 1922. Proofs lodged, \$1,785.47.

Separate Estate of SNG ENG KIONG.—

| | | | | \$ | c. |
|--------------------------------|-----|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | ... | 28,624 | 55 |
| Assets estimated by the debtor | ... | ... | ... | 1,030 | 00 |
| Amount realised | ... | ... | ... | Nil. | |
| Proofs lodged | ... | ... | ... | Nil. | |

Separate Estate of ANG HOW TECK.—

| | | | | \$ | c. |
|------------------------------|-----|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | ... | 1,344 | 99 |
| Assets estimated | ... | ... | ... | 83 | 00 |
| Amount realised | ... | ... | ... | Nil. | |
| Proofs lodged | ... | ... | ... | Nil. | |

58. *Re* CHOO LAM & COMPANY (No. 154 of 1921):—

| | | | | \$ | c. |
|-----------------|-----|-----|-----|------|----|
| Amount realised | ... | ... | ... | Nil. | |

Description: Traders. Address: No. 31, Telok Ayer Street. Date of Receiving Order: 5th August, 1921. Date of Order for Summary Administration: 22nd September, 1921. Proofs lodged, \$4,808.35.

The Statement of Affairs was not filed as the debtors disappeared before the date of the Receiving Order.

59. *Re* YONG KEE & Company (No. 197 of 1921):—

| | | | | \$ | c. |
|------------------------------|-----|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | ... | 42,047 | 67 |
| Assets | ... | ... | ... | 12,018 | 35 |
| Amount realised | ... | ... | ... | 4,008 | 40 |

Description: Traders. Address: No. 31, Malabar Street. Date of Receiving Order: 5th August, 1921, and Adjudication Order against PHOO CHIN JOON: 3rd February, 1922. Proofs lodged, \$20,649.04.

60. *Re* GOH JOON HONG (No. 259 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | .. | 5,469 | 50 |
| Assets estimated by the debtor | ... | ... | 150 | 00 |
| Amount realised | ... | ... | 250 | 00 |

Description: Clerk. Address: No. 102, Short Street. Date of Receiving and Adjudication Orders: 12th August, 1921. Date of Order for Summary Administration: 13th September, 1921. Proofs lodged, \$3,906.08.

61. *Re* Chop KWONG JIN CHIANG (No. 193 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 81,564 | 67 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | 4,708 | 06 |

Description: Traders. Address: No. 59, Kling Street. Date of Receiving Order: 12th August, 1921, and Adjudication Order against CHUA LEK LEW: 9th September, 1921. Proofs lodged, \$49,362.29.

The Statement of Affairs was prepared by the staff of the Bankruptcy Office from books found in the debtor's shop as the debtors disappeared before the date of the Receiving Order.

62. *Re* SLAMAT & Company (No. 69 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,210 | 37 |
| Assets estimated by the debtor | ... | ... | 50 | 00 |
| Amount realised | ... | ... | 41 | 77 |

Description: Traders. Address: No. 50, North Bridge Road. Date of Receiving Order: 12th August, 1921. Date of Order for Summary Administration: 15th September, 1921. Proofs lodged, \$7,210.37.

63. *Re* TAN CHAN LEONG (No. 260 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 4,101 | 50 |
| Assets estimated by the debtor | ... | ... | 900 | 00 |
| Amount realised | ... | ... | 100 | 00 |

Description: Clerk. Address: No. 5 Lorong 26, Geylang Road. Date of Receiving and Adjudication Orders: 12th August, 1921. Date of Order for Summary Administration: 22nd August, 1921. Proofs lodged, \$4,162.58.

A composition of 50 per cent payable immediately after the approval by the Court was approved.

64. *Re* Chop WAH YAK HONG (No. 202 of 1921):—

| | | | \$ | c. |
|---------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 35,680 | 13 |
| Assets estimated by the debtors | ... | ... | 1,000 | 00 |
| Amount realised | ... | ... | 2 | 00 |

Description: Traders. Address: No. 141, Boat Quay, Date of Receiving Order: 19th August, 1921 and Adjudication Orders against LIM HAP KHIAN, LIM ER QUAY, LIM GIUK SAM, TAN SEE KAH, TAN KIONG WATT and TAN SEOW PIAN: 19th August, 1921. The Adjudication Order made on the 19th August against TAN SEOW PIAN was annulled on the ground that he died before the date of the Receiving Order.

Date of Order for Summary Administration 1st November, 1921. Proofs lodged, \$6,460.53.

Separate Estate of TAN SEE KAH.—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,900 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |
| Proofs lodged | ... | ... | Nil. | |

65. *Re* K. M. M. ISMAIL (No. 218 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 28,181 | 39 |
| Assets estimated | ... | ... | 2 | 22 |
| Amount realised | ... | ... | 2,632 | 02 |

Description: Trader. Address: No. 33, Victoria Street. Date of Receiving and Adjudication Orders: 26th August, 1921. Date of Order for Summary Administration: 22nd December, 1921. Proofs lodged, \$2,120.20.

The Statement of Affairs was prepared by the Staff of the Bankruptcy Office as the debtor disappeared before the date of the Receiving Order.

66. *Re* PANA RAHMANS MARICAN (No. 192 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 17,395 | 50 |
| Assets estimated by the debtor | ... | ... | 35 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 131, Mayo Street. Date of Receiving and Adjudication Orders: 2nd September, 1921. Date of Order for Summary Administration: 26th September, 1921. Proofs lodged, \$16,602.98.

67. *Re* ALBERT ALEXANDER DAY (No. 291 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,085 | 00 |
| Assets estimated by the debtor | ... | ... | 500 | 00 |
| Amount realised | ... | ... | 885 | 00 |

Description: Superintendent, Thomson Road Reservoir. Address: Thomson Road Reservoir. Date of Receiving and Adjudication Orders: 1st September, 1921. Date of Order for Summary Administration: 13th September, 1921. Proofs lodged, \$2,125.25.

A Composition of 40% payable in one payment immediately after approval by the Court was approved.

68. *Re* Chop BAN HIN (No. 146 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|-----|----|
| Amount realised | ... | ... | 953 | 38 |

This bankruptcy matter was consolidated with that of WONG SOW MING (No. 122 of 1921) see No. 56 above.

69. *Re* Chop BEE LEE & Company (No. 222 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|------|----|
| Amount realised | ... | ... | Nil. | |

Description: Merchants. Address: No. 137, Thomson Road. Date of Receiving Order: 26th August, 1921. Proofs lodged, Nil.

The Receiving Order made on the 26th August, 1921 was rescinded on proof that this Chop was an illegal association.

70. *Re* JAMES BERNARD MARCUS (No. 299 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,491 | 49 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | 30 | 00 |

Description: Clerk. Address: No. 629, Geylang Road. Date of Receiving and Adjudication Orders: 6th September, 1921. Date of Order for Summary Administration: 19th September, 1921. Proofs lodged, \$850.44.

The bankrupt was ordered by the Court to pay \$15 per mensem to the Official Assignee for the benefit of his creditors.

71. *Re* CHIA KEE POH (No. 326 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 4,798 | 75 |
| Assets estimated by the debtor | ... | ... | 520 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Inspector, Electric Tramways Company. Address. No. 54, Desker Road. Date of Receiving and Adjudication Orders: 30th September, 1921. Date of Order for Summary Administration: 10th November, 1921. Proofs lodged, \$320.00.

72. *Re* SIM & Company (No. 271 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 12,323 | 30 |
| Assets estimated by the debtor | ... | ... | 7,441 | 30 |
| Amount realised | ... | ... | 63 | 25 |

Description: Commission Agents. Address: No. 3, Raffles Place. Date of Receiving Order: 30th September, 1921 and Adjudication Order against SIM TIANG HOE: 30th September, 1921. Proofs lodged, \$7,063.94.

73. *Re* Chop WAH THONG (No. 273 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|-----|----|
| Amount realised | ... | ... | 683 | 77 |

Description: Traders. Address: No. 243, South Bridge Road. Date of Receiving Order: 30th September, 1921.

The Receiving Order was rescinded on proof that this Chop was an illegal association.

74. *Re* LOW SEOW KIAT (No. 294 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,094 | 99 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Liquor-shop keeper. Address: No. 13, Middle Road. Date of Receiving and Adjudication Orders: 7th October, 1921. Date of Order for Summary Administration: 15th November, 1921. Proofs lodged, Nil.

75. *Re* CHOP YEO ENG SENG (No. 296 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 29,916 | 67 |
| Assets estimated by the debtor | ... | ... | 702 | 00 |
| Amount realised | ... | ... | 833 | 46 |

Description: Traders. Address: No. 67, Teluk Ayer Street. Date of Receiving Order: 7th October, 1921 and Adjudication Order against GOH KUAN NEO: 7th October, 1921. Date of Order for Summary Administration: 2nd February, 1922. Proofs lodged, \$24,338.72.

76. *Re* P. D. W. RAJAPAKSA (No. 279 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 4,845 | 00 |
| Assets estimated by the debtor | ... | ... | 1,032 | 73 |
| Amount realised | ... | ... | 974 | 72 |

Description: Proof reader. Address: No. 57, Outram Road. Date of Receiving and Adjudication Orders: 14th October, 1921. Date of Order for Summary Administration: 22nd November, 1921. Proofs lodged, \$4,652.00.

77. *Re* CHIA WAH TENG of CHOP THAI HONG (No. 245 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|-------|----|
| Amount realised | ... | ... | 1,411 | 32 |

Description: Merchant. Address: No. 426, North Bridge Road. Date of Receiving and Adjudication Orders: 21st October, 1921. Date of Order for Summary Administration: 7th December, 1921. Proofs lodged, \$1,000.00.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

78. *Re* YONG BOON (No. 321 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,075 | 00 |
| Assets estimated by the debtor | ... | ... | 60 | 00 |
| Amount realised | ... | ... | 160 | 00 |

Description: Trader. Address: No. 8, Cumming Street. Date of Receiving and Adjudication Orders: 4th November, 1921. Date of Order for Summary Administration: 30th November, 1921. Proofs lodged, \$2,464.80.

79. *Re* TING FOONG MOTORING COMPANY (No. 119 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 147 | 00 |
| Assets estimated by the debtor | ... | ... | Nil. | |
| Amount realised | ... | ... | 350 | 00 |

Description: Motor-car hirers. Address: No. 539, North Bridge Road. Date of Receiving Order: 4th November, 1921 and Adjudication Order against CHAN KWONG CHEONG, CHIN KOON HOCK, BOEY KOK WENG, CHIN CHOI HOCK and CHIN TYE HOCK: 4th November, 1921. Date of Order for Summary Administration: 12th December, 1921. Proofs lodged, \$197.85.

One of the bankrupts has deposited with the Official Assignee sufficient money to pay the only creditor in full.

Separate Estate of CHIN KONG CHIANG.—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|------|
| Liabilities expected to rank | ... | ... | 1,000 | 00 |
| Assets estimated by the debtor | ... | ... | 1,700 | 00 |
| Amount realised | ... | ... | | Nil. |
| Proofs lodged | ... | ... | | Nil. |

80. *Re* Chop BAN HOCK LEONG (No. 303 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 42,701 | 94 |
| Assets estimated by the debtor | ... | ... | 5,973 | 34 |
| Amount realised | ... | ... | 1,929 | 16 |

Description: Traders. Address: No. 115, Rochor Road. Date of Receiving Order: 4th November, 1921. Date of Adjudication Order against CHUA ENG HOCK: 13th January, 1922. Proofs lodged, \$25,706.18.

81. *Re* Chop TONG SENG (No. 316 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|----|------|
| Amount realised | ... | ... | | Nil. |

Description: Traders. Address: No. 49, Padang Jeringau. Date of Receiving Order: 4th November, 1921. Date of Order for Summary Administration: 7th December, 1921. Proofs lodged, \$2,040.97.

No Statement of Affairs was filed as the debtors disappeared before the date of the Receiving Order.

82. *Re* GOH TIANG KANG (No. 258 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-----|------|
| Liabilities expected to rank | ... | ... | 466 | 98 |
| Assets estimated by the debtor | ... | ... | 30 | 00 |
| Amount realised | ... | ... | | Nil. |

Description: Book-keeper. Address: No. 24, Clyde Terrace. Date of Receiving and Adjudication Orders: 25th November, 1921. Date of Order for Summary Administration: 16th December, 1921. Proofs lodged, Nil.

83. *Re* LING KAH SIANG (No. 347 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|------|
| Liabilities expected to rank | ... | ... | 1,703 | 00 |
| Assets estimated by the debtor | ... | ... | 50 | 00 |
| Amount realised | ... | ... | | Nil. |

Description: Trader. Address: No. 350-2, Victoria Street. Date of Receiving and Adjudication Orders: 25th November, 1921. Date of Order for Summary Administration: 28th February, 1922. Proofs lodged, Nil.

84. *Re* HOONG LEONG SENG trading as Chop KUAN YIK CHEONG (No. 360 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|----|------|
| Amount realised | ... | ... | | Nil. |

Description: Trader. Address: Nos. 11 and 13, Trengganu Street. Date of Receiving Order: 25th November, 1921. Proofs lodged, Nil.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

85. *Re* LEE QUEE CHOO (No. 395 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|---------|----|
| Liabilities expected to rank | ... | ... | 367,749 | 94 |
| Assets estimated by the debtor | ... | ... | 20,199 | 58 |
| Amount realised | ... | ... | 2,400 | 64 |

Description: Trader. Address: Nos. 939, Serangoon Road and 44, Robinson Road. Date of Receiving and Adjudication Orders: 28th November, 1921. Proofs lodged, \$132,826.34.

86. *Re Chop TECK HIN* (No. 364 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 55,587 | 49 |
| Assets estimated | ... | ... | — | |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 1, China Street. Date of Receiving Order: 2nd December, 1921. Proofs lodged, \$21,690.91.

The Statement of Affairs was prepared by the staff of the Bankruptcy Office from books taken over from the Court as the debtors disappeared before the date of the Receiving Order.

87. *Re Chop SIONG FOONG* (No. 354 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,035 | 46 |
| Assets estimated | ... | ... | — | |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 203, South Bridge Road. Date of Receiving Order: 2nd December, 1921 and Adjudication Order against LEW PHAN Tsz: 2nd December, 1921. Date of Order for Summary Administration: 23rd February, 1922. Proofs lodged, Nil.

The Statement of Affairs was prepared by the staff of the Bankruptcy Office as the debtors disappeared before the date of the Receiving Order.

88. *Re M. HONMA* (No. 304 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|-----|----|
| Amount realised | ... | ... | 604 | 26 |

Description: Soap manufacturer. Address: No. 202, Syed Alwi Road. Date of Receiving and Adjudication Orders: 9th December, 1921. Proofs lodged \$2,731.91.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

89. *Re Chop KWONG HUP WOH* (No. 341 of 1921):—

| | | | \$ | c. |
|-----------------|-----|-----|------|----|
| Amount realised | ... | ... | Nil. | |

Description: Machinists. Address: No. 218, Victoria Street. Date of Receiving Order: 16th December, 1921. Proofs lodged, Nil.

No Statement of Affairs was filed as the debtors disappeared before the date of the Receiving Order.

90. *Re Chop KWONG TYE SIANG* (No. 349 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 21,580 | 62 |
| Assets estimated by the debtor | ... | ... | 57 | 50 |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 71-3, River Valley Road. Date of Receiving Order: 16th December, 1921. Proofs lodged, Nil.

91. *Re* CHOP KWONG HOONG ONN (No. 374 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,224 | 29 |
| Assets estimated by the debtor | ... | ... | 10 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 16, Seah Street. Date of Receiving Order: 16th December, 1921. Date of Adjudication Order against CHAN HENG: 3rd March, 1922. Date of Order for Summary Administration: 4th January, 1922. Proofs lodged, \$824.29.

ADMINISTRATION ORDERS (*Section 90*).1. *Re* MARIE NALPHON (No. A. O. 1 of 1921):—

| | | | \$ | c. |
|--------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 455 | 75 |
| Assets estimated by the debtor | ... | ... | Nil. | |

Description: Clerk. Address: No. 10, Campbell Lane. Order made 28th September, 1921 by the District Court. Ordered to pay \$10 per mensem to the Official Assignee.

The Order was subsequently cancelled.

ADMINISTRATION ORDERS (*Section 113*).1. *Re* TAN AH HEE (alias TAN HEE KEE) deceased (No. 243 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 16,434 | 52 |
| Assets estimated | ... | ... | 2,993 | 67 |
| Amount realised | ... | ... | 202 | 41 |

Description: Trader. Address: No. 37, Beach Road. Date of Order for Administration: 19th August, 1921. Proofs lodged, \$12,214.32.

2. *Re* FONG YIP SANG, deceased (No. 357 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 77,740 | 00 |
| Assets | ... | ... | — | |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 27, North Canal Road. Date of Order for Administration: 18th November, 1921. Proofs lodged, \$4,250.05.

3. *Re* The Estate of SIM CHOON KEE, deceased (No. 363 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|---------|----|
| Liabilities expected to rank | ... | ... | 222,628 | 28 |
| Assets estimated | ... | ... | 471,253 | 13 |
| Amount realised | ... | ... | 1,711 | 67 |

Description: Trader. Address: No. 330, Kallang Road. Date of Order for Administration: 18th November, 1921. Proofs lodged, \$417,600.33.

Penang.

1. *Re* TAN BOON CHOR (No. 29 of 1920):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 22,846 | 05 |
| Assets estimated | ... | ... | 45 | 50 |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 330-A, Chulia Street. Date of Receiving and Adjudication Orders: 3rd January, 1921. Date of Order for Summary Administration: 13th January, 1921. Proofs lodged, \$22,846.05.

2. *Re* Chop LO TIEK SENG (No. 30 of 1920):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 44,002 | 49 |
| Assets estimated | ... | ... | 5,164 | 91 |
| Amount realised | ... | ... | 374 | 11 |

Description: Trader. Address: No. 253, Beach Street. Date of Receiving Order and Adjudication Order against LO CHIN QUAN: 17th January, 1921. Date of Order for Summary Administration: 23rd February, 1921. Proofs lodged, \$22,989.86.

3. *Re* S. HARIKRISHNA NAIDU (No. 1 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,594 | 50 |
| Assets estimated | ... | ... | 25 | 40 |
| Amount realised | ... | ... | 25 | 40 |

Description: Trader. Address: No 80, Chulia Street. Date of Receiving and Adjudication Orders: 31st January, 1921. Date of Order for Summary Administration: 14th March, 1921. Proofs lodged, \$1,594.50.

No Statement of Affairs was filed as debtor had absconded. A warrant issued for his arrest has not been executed.

4. *Re* CHEONG YEW AIK of Chop BAN KEE (No. 3 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 18,869 | 69 |
| Assets estimated | ... | ... | 2,527 | 06 |
| Amount realised | ... | ... | 251 | 52 |

Description: Trader. Address: No. 265, Beach Street. Date of Receiving and Adjudication Orders: 7th February, 1921. Date of Order for Summary Administration: 28th February, 1921. Proofs lodged, \$6,143.37.

5. *Re* A. N. MOHIDEEN PAKIR (No. 4 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 16,335 | 60 |
| Assets estimated | ... | ... | 1,364 | 60 |
| Amount realised | ... | ... | 1,364 | 60 |

Description: Trader. Address: Nos. 81, Chulia Street and 179, Campbell Lane. Date of Receiving and Adjudication Orders: 7th March, 1921. Date of Order for Summary Administration: 22nd March, 1921. Proofs lodged, \$16,335.60.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

6. *Re* N. A. P. SULAIMAN (No. 5 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 11,452 | 54 |
| Assets estimated | ... | ... | 1,385 | 55 |
| Amount realised | ... | ... | 1,385 | 55 |

Description: Trader. Address: No. 23, Chulia Street. Date of Receiving and Adjudication Orders: 7th March, 1921. Date of Order for Summary Administration: 31st March, 1921. Proofs lodged, \$11,452.54.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

7. *Re* M. S. M. HAMID (No. 6 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 22,871 | 23 |
| Assets estimated | ... | ... | 3,214 | 00 |
| Amount realised | ... | ... | 3,214 | 00 |

Description: Trader. Address: No. 123, Campbell Street. Date of Receiving and Adjudication Orders: 20th March, 1921. Date of Order for Summary Administration: 6th April, 1921. Proofs lodged, \$22,871.33.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

8. *Re* K. P. EBRAMSAH: (No. 7 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 13,268 | 01 |
| Assets estimated | ... | ... | 873 | 79 |
| Amount realised | ... | ... | 873 | 79 |

Description: Trader. Address: No. 181, Campbell Street. Date of Receiving and Adjudication Orders: 20th March, 1921. Date of Order for Summary Administration: 6th April, 1921. Proofs lodged, \$13,268.01.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

9. *Re* K. S. M. SAVATHOO (No. 8 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 850 | 00 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 123, Campbell Street. Date of Receiving and Adjudication Orders: 20th March, 1921. Date of Order for Summary Administration: 6th April, 1921. Proofs lodged, \$850.00.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

10. *Re* L. B. BALAVENDRUM (No. 9 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,712 | 80 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | 360 | 00 |

Description: Clerk. Address: Audit Office. Date of Receiving and Adjudication Orders: 7th March, 1921. Date of Order for Summary Administration: 15th March, 1921. Proofs lodged, \$1,231.06.

The bankrupt was ordered to pay \$40 monthly for the benefit of his creditors.

11. *Re* NORMAN CHATELIER (No. 10 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 999 | 18 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Professional entertainer. Address: No. 288-a, Anson Road. Date of Receiving and Adjudication Orders: 7th March, 1921. Date of Order for Summary Administration: 14th March, 1921. Proofs lodged, \$404.15.

12. *Re* K. SHAIK ISOOF (No. 11 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 9,969 | 02 |
| Assets estimated | ... | ... | 1,503 | 18 |
| Amount realised | ... | ... | 1,503 | 18 |

Description: Trader. Address: No. 15, Market Street. Date of Receiving and Adjudication Orders: 29th March, 1921. Date of Order for Summary Administration: 6th April, 1921. Proofs lodged, \$9,969.02.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

13. *Re* Chop KIM THYE AIK (No. 13 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,921 | 33 |
| Assets estimated | ... | ... | 268 | 70 |
| Amount realised | ... | ... | 268 | 70 |

Description: Traders. Address: No. 3, Bridge Street. Date of Receiving Order and Adjudication Order against EWE OON TIAT, EWE THIAN SOO, EWE THEAN PAH and EWE THIAN SIN: 11th April, 1921. Date of Order for Summary Administration: 11th May, 1921. Proofs lodged, \$2,921.33

No Statement of Affairs was filed as there were no books.

14. *Re* W. H. JAMBU (No. 14 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,738 | 45 |
| Assets estimated | ... | ... | 56 | 04 |
| Amount realised | ... | ... | 11 | 04 |

Description: Clerk. Address: Labour Department. Date of Receiving and Adjudication Orders: 25th April, 1921. Date of Order for Summary Administration: 30th April, 1921. Proofs lodged, \$6,060.14.

A Composition of 30 per cent was approved.

15. *Re* S. O. MUTHIYA NADAR (No. 15 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 4,371 | 25 |
| Assets estimated | ... | ... | 1,582 | 49 |
| Amount realised | ... | ... | 187 | 17 |

Description: Toddy-shop keeper. Address: No. 815, Bagan Luar, Province Wellesley. Date of Receiving and Adjudication Orders: 11th April, 1921. Date of Order for Summary Administration: 30th April, 1921. Proofs lodged, Nil.

16. *Re* P. M. S. ABDUL KADER trading under the style of MOONA ABDUL KADER & COMPANY (No. 16 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 27,120 | 38 |
| Assets estimated | ... | ... | 23,698 | 57 |
| Amount realised | ... | ... | 2,307 | 54 |

Description: Trader. Address: Nos. 178 and 180, Penang Road. Date of Receiving and Adjudication Orders: 18th April, 1921. Proofs lodged, \$9,771.90.

The debtor absconded after filing his Statement of Affairs. A warrant of arrest has not yet been executed.

17. *Re* Chop CHEE CHEANG (No. 17 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,525 | 03 |
| Assets estimated | ... | ... | 774 | 50 |
| Amount realised | ... | ... | 774 | 50 |

Description: Traders. Address: No. 26, Buckingham Street. Date of Receiving Order and Adjudication Order against ANG CHEE CHOON: 2nd May, 1921. Date of Order for Summary Administration: 2nd June, 1921. Proofs lodged \$3,525.03.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

18. *Re* ONG OH HUAN trading under the style of Chop KEAN LEE (No. 18 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 4,227 | 51 |
| Assets estimated | ... | ... | 720 | 00 |
| Amount realised | ... | ... | 114 | 57 |

Description: Sundry shop keeper. Address: No. 156, Campbell Street. Date of Receiving and Adjudication Orders: 9th May, 1921. Date of Order for Summary Administration: 2nd June, 1921. Proofs lodged, \$3,242.99.

19. *Re* BEE LEE KONGSI (No. 19 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,149 | 95 |
| Assets estimated | ... | ... | 223 | 50 |
| Amount realised | ... | ... | 223 | 50 |

Description: Traders. Address: No. 26-A, Buckingham Street. Date of Receiving Order and Adjudication Order against CHEANG KIM LONG and CHENG KIM CHUAN: 9th May, 1921. Date of Order for Summary Administration: 15th June, 1921. Proofs lodged, \$3,149.95.

No Statement of Affairs was filed as the debtors absconded before the date of the Receiving Order.

20. *Re* K. K. S. SYED EBRAHIM BROS. (No. 20 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,042 | 16 |
| Assets estimated | ... | ... | 1,253 | 55 |
| Amount realised | ... | ... | 1,253 | 55 |

Description: Traders. Address: No. 165, Campbell Street. Date of Receiving Order: 23rd May, 1921. Date of Order for Summary Administration: 18th June, 1921. Proofs lodged, \$3,042.16.

No Statement of Affairs was filed as the debtors absconded before the date of the Receiving Order.

21. *Re* KWONG SENG CHEANG (No. 21 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,797 | 42 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 95, Beach Street. Date of Receiving Order: 23rd May, 1921. Date of Order for Summary Administration: 18th June, 1921. Proofs lodged, \$2,797.42.

No Statement of Affairs was filed as the debtors absconded before the date of the Receiving Order.

22. *Re* Chop KHENG LEAN SENG (No. 23 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,457 | 58 |
| Assets estimated | ... | ... | 590 | 87 |
| Amount realised | ... | ... | 30 | 30 |

Description: Coconut planters and Copra dealers. Address: No. 1537, Butterworth. Date of the Receiving Order and Adjudication Order against TAN KHENG CHEANG, ONG CHOY LEAN and KHOO HENG LAK: 30th May, 1921. Date of Order for Summary Administration: 14th June, 1921. Proofs lodged, \$5,431.41. A Composition of 50 per cent was approved.

23. *Re* TAN BENG YEONG of Chops HIN MOH and KENG MO: (No. 26 of 1921):—

| | | | \$ | c. |
|---|-----|-----|--------|----|
| (HIN MOH) Liabilities expected to rank | ... | ... | 21,185 | 66 |
| Assets estimated | ... | ... | 5,121 | 10 |
| Amount realised | ... | ... | 51 | 00 |
| (KENG MOH) Liabilities expected to rank | ... | ... | 13,879 | 09 |
| Assets estimated | ... | ... | 2,789 | 76 |
| Amount realised | ... | ... | 335 | 59 |

Description: Trader. Address: No. 155, Beach Street. Date of Receiving and Adjudication Orders: 18th July, 1921. Proofs lodged (HIN MOH), \$17,906.14 (KENG MOH) \$3,249.83.

24. *Re* HOCK CHUAN AN & Co. (No. 27 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 26,835 | 34 |
| Assets estimated | ... | ... | 529 | 37 |
| Amount realised | ... | ... | 529 | 37 |

Description: Traders. Address: No. 177, Beach Street. Date of Receiving Order and Adjudication Order against OOI CHENG GUAN: 18th July, 1921. Date of Order for Summary Administration: 23rd December, 1921. Proofs lodged, \$26,835.34.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

25. *Re* KEAT GUAN & Company (No. 29 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 69,098 | 90 |
| Assets estimated | ... | ... | 7,235 | 15 |
| Amount realised | ... | ... | 7,235 | 15 |

Description: Traders. Address: No. 31, Bishop Street. Date of Receiving Order and Adjudication Order against GOH KIM GOAN: 8th September, 1921. Proofs lodged, \$69,098.90.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order. A warrant of arrest has not yet been executed.

26. *Re* ONG JUN HUN (No. 32 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,518 | 00 |
| Assets estimated | ... | ... | 4,093 | 52 |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 97, Tanjong Tokong. Date of Receiving and Adjudication Orders: 8th September, 1921. Proofs lodged, \$6,879.02.

27. *Re* M. ISSAHAK MARICAN (No. 37 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,410 | 40 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: No employment. Address: No. 101, Macalister Road. Date of Receiving and Adjudication Orders: 18th July, 1921. Date of Order for Summary Administration: 24th August, 1921. Proofs lodged, Nil.

28. *Re* M. MEERASAH MARICAN (No. 38 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 20,187 | 08 |
| Assets estimated | ... | ... | 3,091 | 50 |
| Amount realised | ... | ... | 220 | 00 |

Description: Store-keeper to Messrs. ALDEN'S SUCCESSORS, LIMITED and also speculated in house building. Address: No. 101, Macalister Road. Date of Receiving and Adjudication Orders: 18th July, 1921. Date of Order for Summary Administration: 28th August, 1921. Proofs lodged, \$11,999.90.

29. *Re* Chop LEONG SENG (No. 39 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 844 | 00 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 198, Beach Street. Date of Receiving Order: 2nd August, 1921. Date of Order for Summary Administration: 1st September, 1921. Proofs lodged, \$844.00.

No Statement of Affairs was filed as the debtors absconded before the date of the Receiving Order.

30. *Re* ONG BENG TEAN (No. 40 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 178 | 25 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | 270 | 00 |

Description: Assistant cashier. Address: No. 59, Beach Street. Date of Receiving and Adjudication Orders: 28th July, 1921.

The Receiving Order was rescinded and the Adjudication Order was annulled on 15th August, 1921, on payment in full.

31. *Re* LIM CHIENG HEONG (No. 41 of 1921):—

Description: Sole proprietor of Chop BAN SWEE BEE (No. 42 of 1921): See 32 below.

32. *Re Chop BAN SWEE BEE* (No. 42 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|---------|----|
| Liabilities expected to rank | ... | ... | 152,283 | 67 |
| Assets estimated | ... | ... | 5,206 | 54 |
| Amount realised | ... | ... | 6,542 | 48 |

Description: Trader. Address: Nos. 70 and 72, Beach Street. Date of Receiving Order and Adjudication Order against LIM CHENG HEONG, sole proprietor: 16th August, 1921. Proofs lodged, \$154,632.27.

33. *Re J. M. CAMA* (No. 43 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 74,829 | 17 |
| Assets estimated | ... | ... | 8 | 85 |
| Amount realised | ... | ... | Nil. | |

Description: Trader, and Manager of Theatre Royal Cinematograph. Address: Penang Road. Date of Receiving and Adjudication Orders: 8th August, 1921. Proofs lodged, \$129,721.32.

Proceedings were instituted against the bankrupt under Section 114 of Ordinance No. 44 (Bankruptcy).

34. *Re HOE CHOON & Co.* (No. 44 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 25,476 | 98 |
| Assets estimated | ... | ... | 8,627 | 25 |
| Amount realised | ... | ... | 715 | 33 |

Description: Trader. Address: No. 168, Campbell Street. Date of Receiving Order and Adjudication Order against LEAN AING CHUAN: 29th August, 1921. Proofs lodged \$23,375.50.

35. *Re CHEAT SEAN HIN & Co.* (No. 45 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 8,400 | 27 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 35, Queen Street. Date of Receiving Order and Adjudication Order against TAN CHIN PHUNG: 19th September, 1921. Date of Order for Summary Administration: 22nd October, 1921. Proofs lodged, \$8,400.27.

No Statement of Affairs was filed as the debtors absconded before the date of the Receiving Order.

36. *Re Chop LI CHEONG THYE* (No. 46 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-----|----|
| Liabilities expected to rank | ... | ... | 706 | 27 |
| Assets estimated | ... | ... | 378 | 75 |
| Amount realised | ... | ... | 378 | 75 |

Description: Traders. Address: No. 74, China Street. Date of Receiving Order and Adjudication Order against LYE CHEE: 5th September, 1921. Date of Order for Summary Administration: 15th October, 1921. Proofs lodged, \$706.27.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

37. *Re Chop HEAP HOE & Co.* (No. 47 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,199 | 70 |
| Assets estimated | ... | ... | 20 | 27 |
| Amount realised | ... | ... | 20 | 27 |

Description: Traders. Address: No. 164, Beach Street. Date of Receiving Order and Adjudication Order against GIAN BOON ENG: 14th September, 1921. Date of Order for Summary Administration: 14th November, 1921. Proofs lodged, \$7,199.70.

38. *Re SAW CHOON SENG* (No. 50 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,327 | 85 |
| Assets estimated | ... | ... | 1,450 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Insurance Agent. Address: No. 15, Noordin Street. Date of Receiving and Adjudication Orders: 22nd September, 1921. Date of Order for Summary Administration: 29th September, 1921. Proofs lodged, \$5,017.36.

39. *Re Chop WENG WO* (No. 52 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,432 | 35 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Traders. Address: No. 50, Market Street. Date of Receiving Order: 17th October, 1921. Date of Order for Summary Administration: 21st November, 1921. Proofs lodged, \$3,432.35.

No Statement of Affairs was filed as the debtors absconded before the date of the Receiving Order.

40. *Re WEE HEIN TZE* (No. 53 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 70,530 | 17 |
| Assets estimated | ... | ... | 12,135 | 95 |
| Amount realised | ... | ... | 21 | 33 |

Description: Planter. Address: No. 529, Tanjong Bunga, Penang, and Tanjong Rambutan, Perak. Date of Receiving and Adjudication Orders: 29th September, 1921. Proofs lodged, \$27,913.47.

41. *Re BAN HONG BEE & Co.* (No. 55 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 99,864 | 50 |
| Assets estimated | ... | ... | 14,477 | 95 |
| Amount realised | ... | ... | 10,319 | 34 |

Description: Traders. Address: No. 149, Beach Street. Date of Receiving Order and Adjudication Order against LIM TIANG ANN: 10th October, 1921. Proofs lodged, \$156,391.81.

Application is being made to Court to approve a composition of 35 per cent.

42. *Re KHOO THEAN TEIK* (No. 56 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 10,071 | 84 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: unknown. Address: No. 35, Kimberley Street. Date of Receiving and Adjudication Orders: 17th October, 1921. Date of Order for Summary Administration: 21st November, 1921. Proofs lodged, Nil.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

43. *Re* WOON YEE CHOON (*f*) (No. 57 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 8,000 | 00 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Trader. Address: No. 1, Kling Street. Date of Receiving and Adjudication Orders: 19th September, 1921. Date of Order for Summary Administration: 22nd October, 1921. Proofs lodged, \$8,540.80.

44. *Re* SIM AH SENG (No. 58 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 20,281 | 82 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | 00 | 68 |

Description: Trader and house building contractor. Address: No. 15, Batu Lanchang Road. Date of Receiving and Adjudication Orders: 31st October, 1921. Proofs lodged, \$20,881.98.

45. *Re* HOR YOOK LIN *alias* HO YOOK CHIN (No. 59 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 3,079 | 54 |
| Assets estimated | ... | ... | 639 | 60 |
| Amount realised | ... | ... | 639 | 60 |

Description: Trader. Address: No. 58, Market Street. Date of Receiving and Adjudication Orders: 12th December, 1921. Proofs lodged, \$3,079.54.

No Statement of Affairs was filed as the debtor absconded before the date of the Receiving Order.

46. *Re* Chop GUAN HOE (No. 60 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 8,775 | 57 |
| Assets estimated | ... | ... | 1,262 | 32 |
| Amount realised | ... | ... | 1,262 | 32 |

Description: Trader. Address: No. 167, Campbell Street. Date of Receiving Order and Adjudication Order against NG OO SIANG: 10th October, 1921. Date of Order for Summary Administration: 14th November, 1921. Proofs lodged, \$8,775.57.

No Statement of Affairs was filed as there were no books and the bankrupt is in China.

47. *Re* P. A. AGERBECK (No. 61 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|------|----|
| Liabilities expected to rank | ... | ... | 985 | 04 |
| Assets estimated | ... | ... | 50 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Assistant Bailiff. Address: District Court. Date of Receiving and Adjudication Orders: 16th September, 1921. Date of Order for Summary Administration: 15th October, 1921. Proofs lodged, \$834.

48. *Re* Chop HONG THYE (No. 62 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 7,228 | 15 |
| Assets estimated | ... | ... | 373 | 39 |
| Amount realised | ... | ... | 13 | 75 |

Description: Trader. Address: No. 94, Prangin Road. Date of Receiving Order and Adjudication Order against KAM SWEE HOI: 3rd October, 1921. Date of Order for Summary Administration: 14th November, 1921. Proofs lodged, \$2,203.03.

49. *Re* MOHAMED SYEDOL ARIFFIN (No. 65 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 2,076 | 08 |
| Assets estimated | ... | ... | 40 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Unemployed. Address: No. 64, Macalister Road. Date of Receiving and Adjudication Orders: 24th October, 1921. Date of Order for Summary Administration: 12th December, 1921. Proofs lodged, \$13,544.01.

50. *Re* LOW AH HAI of JOO SENG & Co. (No. 66 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|--------|----|
| Liabilities expected to rank | ... | ... | 19,354 | 72 |
| Assets estimated | ... | ... | 2,407 | 78 |
| Amount realised | ... | ... | 54 | 79 |

Description: Trader and coffee-shop keeper. Address: Nos. 1747 and 1748, Bagan Tuan Kechil, Province Wellesley. Date of Receiving and Adjudication Orders: 31st October, 1921. Date of Order for Summary Administration: 12th December, 1921. Proofs lodged, \$13,544.01.

51. *Re* KHOO SENG KEE (No. 68 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 1,500 | 00 |
| Assets estimated | ... | ... | Nil. | |
| Amount realised | ... | ... | Nil. | |

Description: Broker. Address: No. 12, Fish Lane. Date of Receiving and Adjudication Orders: 14th January, 1921. Proofs lodged, \$1,770.

52. *Re* CHEAH PEE TEEN (No. 69 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 6,279 | 00 |
| Assets estimated | ... | ... | 2,550 | 00 |
| Amount realised | ... | ... | Nil. | |

Description: Cashier. Address: No. 133, Kalewei Road. Date of Receiving and Adjudication Orders: 5th December, 1921. Proofs lodged, \$5,360.38.

Application is being made for approval of a composition.

53. *Re* CHOP SWEE SENG (No. 71 of 1921):—

| | | | \$ | c. |
|------------------------------|-----|-----|-------|----|
| Liabilities expected to rank | ... | ... | 5,423 | 77 |
| Assets estimated | ... | ... | 365 | 11 |
| Amount realised | ... | ... | 365 | 11 |

Description: Traders. Address: No. 75, Market Street, Bukit Mertajam, Province Wellesley. Date of Receiving Order and Adjudication Order against OOI^N SWEE HUAT: 12th December, 1921.

The friends of the bankrupt, who left for China before bankruptcy proceedings were taken, paid the debts in full and on the 20th January, 1922, the Receiving Order was rescinded and the Adjudication Order was annulled.

SECTION 113.

Re HONG GEOK EAN, the executrix of CHAN BOON TIN, deceased (No. 36 of 1921).

The Order made by the Court on 26th July, 1921 for the administration of the deceased's estate in bankruptcy was reviewed and set aside by the Court on the 15th August, 1921.

Malacca.1. *Re* GULABCHAND AMBAVI (No. 12 of 1921):—

| | | | | | |
|-----------------|-----|-----|-----|-----|----|
| | | | | \$ | c. |
| Amount realised | ... | ... | ... | 426 | 05 |

Description: Trader. Address: No. 142, First Cross Street. Date of Receiving and Adjudication Orders: 19th October, 1921. Proofs lodged, Nil.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

2. *Re* Chop BAN HONG LEONG (No. 10 of 1921):—

| | | | | | |
|-----------------|-----|-----|-----|-----|----|
| | | | | \$ | c. |
| Amount realised | ... | ... | ... | 386 | 75 |

Description: Trader. Address: No. 54, Second Cross Street. Date of Receiving Order: 10th October, 1921. Proofs lodged, Nil.

No Statement of Affairs was filed as the debtor disappeared before the date of the Receiving Order.

RAFFLES MUSEUM AND LIBRARY.

The year 1921 has been marked by steady progress in all branches of the Museum and Library. Although much remains to be done to bring both Institutions on to more up-to-date lines, satisfactory progress can be recorded for the year under review.

During the last three months of the year the Director's time was largely taken up with the organisation of the Malaya-Borneo Exhibition (held in Singapore March—April, 1922). Apart from this the full Staff were on duty throughout the year.

A. ADMINISTRATION.

Committee.

1. At the beginning of the year the Committee of the Raffles Museum and Library consisted of the following members:—

The Hon'ble Sir J. W. MURISON, *President*.

Dr. R. O. WINSTEDT, *Vice-Chairman*.

A. W. STILL, Esq.,

Dr. G. E. BROOKE.

Dr. G. H. MACALISTER.

ONG BOON TAT, Esq.

In September Dr. MACALISTER resigned his seat on the Committee on his departure for England. Mr. C. BAZELL, a former member of the Committee, was re-appointed in place of Dr. MACALISTER.

The Committee met twelve times during the year.

Staff.

2. Government approved in October new designations for Mr. KNIGHT, Assistant Director, and Mr. F. N. CHASEN, Taxidemist, whose titles are now respectively Curator and Assistant Curator.

The Assistant Curator, Mr. F. N. CHASEN, M.B.O.U., formerly of the Norwich Castle Museum, arrived in the Colony and reported for duty on 5th March.

Mr. V. KNIGHT, Curator, who was already overdue for pension, was granted permission to retire on pension in April, 1922. His service dates from 1902, since when his work at the Museum has always been of great value. The collections will bear the imprint of his technical skill in preparation for many years to come. His place will be hard to fill.

Finances.

3. The total Revenue for the Department was \$33,036.29 against \$29,689.27 for 1920.

The total Expenditure was \$32,858.74 against \$29,761.85 for 1920.

A Statement of Receipts and Payments is appended.

(a) *Revenue*.—The increase in Revenue is due to the higher scale of Library subscriptions which yielded \$7,035.50 against \$4,270 for 1920.

(b) *Expenditure*.—The increased Revenue was largely spent on the Library, for which the total expenditure amounted to \$6,629.36 against \$4,836.86 in 1920. The Museum expenditure was \$6,224.19 against \$5,064.90 in 1920. Administration charges were practically the same, viz., \$20,005.19, against \$19,860.09 in 1920.

The estimated Expenditure for 1922 is based on an estimated Revenue of \$34,000. The provisional allocation of this sum under three main headings "Administration" (\$20,900), "Museum" (\$4,900), "Library" (\$8,200) was approved by the Committee.

Visitors.

4. The popularity of the Museum and Library was well maintained throughout the year. The opening hours—9-30 A.M. to 6 P.M. daily except Sundays and certain public holidays—remained unchanged.

(a) *Distinguished Visitors*.—The Museum was specially honoured by visits during the year from His Excellency the Governor, Sir LAURENCE GUILLEMARD, K.C.B., in February, and from His Royal Highness Prince HIROHITO, Crown Prince of Japan, accompanied by His Royal Highness Prince KANIN NO MIA and Staff in March.

Among other scientific or distinguished visitors to the Museum were: January, Mr. D. T. FULLAWAY, Agricultural Department, Honolulu, Dr. S. I. KUWANA, Imperial Agricultural Experiment Station, Japan; February, Mr. H. N. RIDLEY, F.R.S., late Director of Gardens, Singapore; July, Dr. W. DOCTERS VAN LEEUWEN, Director of Botanic Gardens, Buitenzorg; Dr. A. LAURELL, Director, Ethnographical Museum, Stockholm; August, Mr. COSMO CLUNIES-ROSS of Keeling-Cocos Islands; Dr. E. MJOBERG, Curator, Sarawak Museums; Prof. TOSHIO WATANABE, Kyoto Imperial University, Prof. Dr. N. J. KROM, Leiden University; October, Dr. A. L. J. SUNIER, Head of the Netherlands East Indies Government Laboratory, Batavia; Mr. W. N. HOBBS, University of Michigan; November, Viscount NORTHCLIFFE; December, Viscount Y. TODA and Viscount AKIRA TOKI of the Department of Agriculture and Commerce, Tokyo.

(b) *Total visitors for the year*.—A count was taken at the main door of the Museum for six consecutive days chosen at random in each month throughout the year. The following figures were recorded:—

| | | | | | |
|----------|-----|--------|-----------------|-----|-------|
| Chinese | ... | 33,610 | Indians, etc. | ... | 5,438 |
| Malays | ... | 9,458 | Europeans, etc. | ... | 2,335 |
| Children | ... | 312 | | | |

The total for 12 weeks or 72 days was thus 51,153, giving an average of 4,262 per week or 710 per day, against an average of 3,037 per week recorded in 1920.

The total for the year may be put at about 240,000 against a total of 170,000 for 1920. This figure would consist of 165,000 Chinese, 41,000 Malays, 23,000 Indians, 10,000 Europeans and 1,000 children. The great predominance of Chinese is a noteworthy feature.

Visitors to the Library were noticeably on the increase during the year and the figure of 120,000 for 1920 was probably considerably exceeded, although no definite counts were made on which an estimate can be based. Probably the total number of people who entered the two Institutions during the year was not far short of 400,000.

(c) *Chinese New Year*.—For the first time in the history of the Museum a total of over 20,000 visitors for the two days of this annual holiday was recorded. The figures for the last four years are as follows:—

| | 1918. | 1919. | 1920. | 1921. |
|-------------|--------|--------|--------|--------|
| 1st day ... | 10,907 | 10,372 | 12,098 | 11,484 |
| 2nd day ... | 8,847 | 7,112 | 5,688 | 8,764 |
| Total ... | 19,754 | 17,484 | 17,786 | 20,248 |

B. MUSEUM.**The Collections.**

5. Good progress in the general rearrangement outlined in the 1920 Report has been made during the year under review.

The weeding-out policy was continued. A selection of non-Malayan weapons and pottery considered of insufficient interest or value for retention in the Museum was sold by auction for \$165. Some pieces of duplicate brass-ware and some non-Malaysian birds (mounted) were disposed of for \$111.

Collecting Expeditions.

6. *Borneo*.—The Director had the honour of accompanying His Excellency the Governor on an official visit to Labuan, Brunei, British North Borneo and Sarawak from June 4th—27th. Although little opportunity was afforded for actual collecting, useful days were spent, notably at Mantanani Island off the north-west coast of British North Borneo, at Brooketon in Brunei territory and in Sarawak. An hour on Barren Island on the return journey to Singapore also proved productive. The opportunity was taken to meet many people interested in Natural History and subsequent correspondence resulted in various useful donations to the Museum.

With the assistance of the Resident of Brunei some valuable examples of Brunei cloth, brass and silver work were obtained.

Gunong Tahan.—The Assistant Curator, Mr. F. N. CHASEN, was away the greater part of November and December on a joint expedition with the Federated Malay States Museums to Gunong Tahan. Collections were made at the foot of the mountain and at different altitudes up to the summit. A new frog was the chief prize, but several valuable additions were also made. Thanks are due to the Director and Staff of the Federated Malay States Museums, who kindly helped in every way.

Pulau Ubin.—Short collecting trips were made at intervals throughout the year to Pulau Ubin off the north coast of Singapore Island in the Johore Straits, with the object of collecting material for an intensive study of the fauna of that island.

Lighthouses.—The Taxidermist, Mr. P. DE FONTAINE, spent the month of October on the Horsburgh Lighthouse and succeeded in obtaining some interesting birds on migration. The lighthouse-keepers on this and other lighthouses round the coast contributed collections of insects from time to time.

Accessions.

7. The Accession Register showed 118 entries for the year against 66 for 1920. Of these 73 were presented, 40 were purchased.

The more interesting items are mentioned under the appropriate headings in the following section.

The Collections.8. (a) *Zoology*.—

(i) *Mammals*.—A valuable piece of work was carried out by the Assistant Curator, who arranged two show cases to illustrate types of Ungulate feet and horns.

The type of the new sub-species *Mydaus javanensis montanus*, Moulton, described from Sarawak in Journal 83 of the Straits Branch, Royal Asiatic Society, was presented to the British Museum. The co-type remains in the Raffles Museum.

Mr. H. C. ROBINSON identified the whole of our collection of Tupaias. Many had been named before, but the researches of recent zoologists have necessitated the revision of many names. We are also indebted to

Mr. ROBINSON for similar valuable assistance in naming other mammals, particularly Rodents.

Among Mammals presented were: one *Orang utan* from Mr. LIM KIANG SOON, two flying Lemurs from Sumatra presented by Mr. YEW KEE, one *Musang* by Mr. A. A. DAY and another by Mr. C. O. HAGEDORN, a bat by Mr. C. A. de SOUZA, a tiger, half grown, by His Highness the Sultan of Johore, G.C.M.G., K.B.E., and a Clouded Leopard by Mr. J. A. JANSEN.

The Director of the Federated Malay States Museums kindly presented 8 Tupaia, 78 Squirrel and 65 Rat skins, which helped considerably to fill up gaps in our series of Malaysian species.

The Ungulates were rearranged during the year and an illustrated Guide (31 pages) prepared (and published in 1922, price \$1). Non-Malaysian species were excluded, thus enabling the true Malaysian species to be displayed to better advantage.

(ii) *Birds*.—Thanks to the valuable assistance rendered by Mrs. D. HORTON, whose services were obtained at a small remuneration for the whole year, great progress was made in the work of overhauling, rearranging, labelling and cataloguing the Bird collection.

At the end of 1920 the total collection comprised approximately 4,500 specimens (about 1,000 mounted, 3,500 skins). During 1921 another 950 were added representing about 223 species.

It is estimated that, excluding Passeriformes, the total number of species now recorded from Malaysia is 458, of which 284 are represented in the Museum. About 75 per cent of the species known from the Malay Peninsula and 50 per cent of those from Borneo are represented, but our deficiencies in species from Java and Sumatra are very marked.

Several species new to the Museum were added during the year of which perhaps the two pigeons *Muscadivores pickeringi* and *Columba griseigularis* and a Parroquet *Tanygnathus luzonensis salvadorii* from Mantanani Island, British North Borneo, were the most noteworthy.

His Excellency the Governor of British North Borneo presented two eggs of the Megapode (*Megapodius cumingi*) from Pulo Gaya near Jesselton, new to the Museum.

Mr. R. W. GOSSET presented two Crested Wood-Partridges (*Rollulus roulroul*) from Johore.

Museum collecting expeditions were particularly successful in birds during the year: thus a week at Pulo Ubin produced 30 species, a collection from Saribas, Sarawak, 42 specimens representing 27 species, 12 species from the Horsburgh Lighthouse. The Assistant Curator's collections on Gunong Tahan were not worked out by the end of the year. They comprised many valuable additions to the Museum.

The assistance of Sir JOHN BUCKNILL was invited in the preparation of a small handbook to the common birds of Singapore. An artist in India was commissioned to paint pictures of 30 common birds at Rs. 20 each.

(iii) *Reptiles*.—Acknowledgments are due for presents of snakes from Messrs. I. H. BURKILL, J. SCHEISS, E. G. GOLDFINCH and C. HONG KAY.

(iv) *Fish*.—Good progress was made by the Curator, Mr. KNIGHT, in mounting further specimens of local fish. The series mounted and coloured by him forms one of the most attractive features in the vertebrate gallery.

For donations of odd fish we are indebted to Dr. J. D. GIMLETTE, Messrs. A. CHARLES and C. BAZELL.

(v) *Invertebrates* (exclusive of Insects).—Dr. BROOKE kindly presented an example of the large Robber Crab (*Birgus latro*) from Christmas Island.

Our collection of Stomatopoda was sent to the Indian Museum for study by Dr. S. W. KEMP. Nine specimens representing seven Malaysian species were presented to us by the Indian Museum.

Some specimens of the curious Japanese Crab *wei-ke-gani* were presented by Mr. A. IKEDA.

We are also indebted to Messrs. A. G. BRATTON and V. JACOBS for local Crustacea.

Professor HARRISON W. SMITH presented 16 Land Mollusca from Sarawak, which were identified for us by Mr. CLAPP of the Museum of Comparative Zoology, Cambridge, Massachusetts.

Samples of dark green "cats-eyes" (shell opercula) from Christmas Island were presented by Mr. C. CLUNIES-ROSS.

Six fossil bivalves said to have come from Perak were presented by Mr. K. MITSUMA.

A nice collection of Gorgonids from the East Coast of the Malay Peninsula was received from Mr. ST. V. B. DOWN.

(vi) *Insects. Lepidoptera*.—The publication of a series of papers on Malaysian butterflies by the Director was commenced. A first part, dealing with *Danainæ*, was published in the Journal of the Federated Malay States Museums (Volume X, Part III, June, 1921). Four new sub-species were described. The *Nymphalidæ* and *Papilionidæ* were named and arranged during the year by the Director.

Thanks are due to Col. W. H. EVANS for identifying our *Hesperidæ*, to Mr. L. B. PROUT and to Mr. TAMS of the British Museum for identifying *Geometridæ* and *Noctuidæ*.

Orthoptera.—Dr. H. KARNY of the Zoological Museum, Buitenzorg, identified and returned our collection of *Locustidæ*. He reports several new species to be described shortly.

Rhynchota.—The *Cicadidæ* were named and arranged. Large collections from the Federated Malay States Museums, the Federated Malay States Agricultural Department, Buitenzorg Museum and the Sarawak Museum were studied and named at the same time. A paper was prepared by the Director on the Cicadas of Malaysia. Several new species are to be described.

Coleoptera.—Dr. G. A. K. MARSHALL, Mr. G. E. BRYANT of the Imperial Bureau of Entomology identified several small collections of Coleoptera.

Odonata.—Dr. LAIDLAW continued his studies on our dragon flies and reported new and interesting species among those sent to him.

For miscellaneous presents of insects during the year, the Museum is indebted to Messrs. G. T. M. MACBRYAN (Sarawak), E. J. GODFREY (Siam), C. J. SAUNDERS (Singapore), Major A. G. CUNNINGHAM, D.S.O., M.C. (Singapore), F. FLIPPANCE (Singapore), ST. V. B. DOWN (Singapore), E. M. HAWES (Johore), Mrs. L. A. ALLEN (Brunei), F. GOODALL (Johore), I. H. BURKILL (Singapore), R. A. BAILLIE (Singapore), W. B. MURRAY (Telok Anson), The Federated Malay States Museums, the Sarawak Museum, and the Zoological Museum, Buitenzorg.

(b) *Ethnological Collections*.—

Dr. N. J. KROM of Leiden University undertook to try and decipher the inscription on the ancient Singapore monolith, of which the only remaining fragment is now preserved in this Museum. A plaster cast was sent to him.

Our Malacca and other Malay tombstones were examined by Mr. J. P. MOQUETTE, who supplied translations of the inscriptions.

The silver collection was entirely rearranged with the valuable help of Dr. R. O. WINSTEDT, who proposes to publish an illustrated guide to Malayan silver with special reference to our collection. Such a work will be welcomed by the large number of people in this country who are interested in the subject.

The brass collection was carefully catalogued and rearranged by Mr. B. J. NAGLE. Duplicates and items of little interest or value were sold by auction.

His Excellency the High Commissioner deposited on indefinite loan a very fine kris presented to him by His Highness the Sultan of Kelantan.

We are indebted to Mr. W. R. T. CLEMENT for the present of a Dayak coat from Sarawak.

Perhaps the most important donation to this section received during the year was the fine collection of stone implements collected in Pahang by Mr. G. W. THOMSON, who presented the pick of a large collection to this Museum.

Among the items purchased may be mentioned: three silver bowls (Pahang), curved dagger (Kedah), wedding garment (Sumatra), Koran rest (Sumatra), dagger (Sumatra), wooden theatrical masks (Java), brass sireh box (Sumatra), a very fine brass cannon (Sarawak), two silver plates and one bowl (Rhio), a Malay guitar (*gambus*) (Rhio), two sireh boxes (Jesselton), Dayak baskets and bark cloth (Sarawak), two parangs (Pahang).

In addition to the above, several items were purchased by the Director at Brunei, notably a fine black and gold sarong, a brass kettle, a brass cannon, some musical instruments and two old wicker shields.

(c) *Numismatics, Ceramics, etc.*—The coin collection hitherto exhibited in nine cases was stored in new cabinets made specially for the stamp and coin collections.

Acknowledgments are due for presents of coins, notes, tokens, to Mr. LIM KHYE LIANG, SEOW ENG CHUAN, Captain H. LADDS, N. J. GOLUSIN, J. P. MOQUETTE, A. KREACHETOFF, HON LOCK KEE.

The Government Stamp collection of some 17,000 stamps was mounted and arranged by Mr. C. A. PANCHAUD in glass covered slides in specially made cabinets following the British Museum pattern.

His Excellency the High Commissioner deposited on indefinite loan a gold medal (*tengat*) which was struck in Kelantan on the 100th day after the decease of the late Sultan of that State; also a gold medal struck by the Sultan of Trengganu to commemorate his installation as Sultan.

A few pottery items were purchased: an old crackel vase said to have been the property of the Sultan of Rhio; a crackel plate and old *naga* jar from Brunei; an old jar (*tajau harimau*) from Ulu Kotei, Dutch Borneo, said to be 300 years old.

Messrs. A. and P. DE FONTAINE presented an old earthenware jar, which was taken from the Rajah's house during the Perak War in 1875.

(d) *Local History*.—The collection of portraits, engravings and old maps, illustrating the past history of Singapore, was carefully catalogued by Mr. B. J. NAGLE and arranged for exhibition near the main staircase.

One of the most interesting additions to this collection during the year was a long panorama water-colour painting of Singapore (15 feet x 6 inches) in 1897, presented by Mrs. G. P. OWEN. To this lady we are also indebted for a portrait of Mr. G. M. DARE, the pioneer of yachting in Singapore (1840—1907).

Under the heading of Local History mention may be made of a section of the Singapore-Madras cable laid in April, 1921. This was presented to the Museum by Mr. W. MAKEPEACE.

Mr. C. M. PHILLIPS presented an autographed photograph of Admiral Sir HARRY KEPPEL.

To Mr. W. MAKEPEACE, the Museum is indebted for a very fine collection of 115 views, portraits, plans, etc., relating to old Singapore—many of which had been used for the "Centenary History of Singapore". A certain number of blocks were included.

A small water-colour sketch of Singapore in 1857 was presented by Captain J. EDGELL, R.N.

(e) *Minerals*.—The only addition to the Mineral Collection during the year was a fine series of gold-bearing samples of limestone and altered shale from Sarawak presented by the Borneo Company, Limited. A small sample of coarse gold was also presented by them.

Publications.

9. The Annual Report for 1920 was submitted in May and published in December, 1921.

A list of papers and notes in recent scientific journals relating to this Museum or published by members of the Staff is given in Appendix A to this Report.

A Guide to the Mammals of Malaysia, Part I, Ungulates, was completed and sent to the printers before the end of the year. Other separate Guides covering Malaysian Birds, Reptiles, etc., are contemplated.

A valuable work by Mr. C. N. MAXWELL, profusely illustrated, on Malayan Fishes, was published at the end of the year by the Straits Branch, Royal Asiatic Society.

General.

10. At the instance of the Museum Committee sanction was obtained from the Government and from the Muhammedan Advisory Board to open the old Malay tomb on Fort Canning hill. It is regarded as the oldest and most venerated Malay memorial in Singapore and is believed to be the burying place of Iskandar Shah, King of Singapore, who, according to tradition, was turned out by the Javanese in 1252 and who died at Malacca in 1274 A. D. All that can be seen at present is a modern whitewashed tomb which one supposes has been built over the original tomb mentioned by Crawford in 1822.

Unfortunately all attempts by the Public Works Department to find a contractor brave enough to open the tomb failed entirely, and the matter was therefore left in abeyance.

The close connection between the Museum Staff and the Straits Branch, Royal Asiatic Society, was maintained.

A new Society, known as the Singapore Natural History Society, was founded in 1921 with headquarters at the Museum, the Director as first President and the Assistant Curator, Mr. F. N. CHASEN, as Honorary Secretary. A membership of 60 was reached before the end of the year.

Interest on the part of the Museum in Societies such as these, quickly results in direct benefits to the Museum and serves to bring the Museum more to the notice of serious students.

Biological Reference Library.

11. The following additions were made to the Biological Reference Library during 1921:—

By Presentation.

ANATOMISCHES INSTITUT.....UNIVERSITAET ZU SENDAI, Arbeiten,
Heft 5, 1920, Heft 6, 1921.

Kais.-Japanische Universitaet zu Sendai.

ANNANDALE, N., D.SC., F.A.S.B., Reprint, Note on a Shrine in the KOH
SI HAH, Tale Sap, Lower Siam.

The Author.

BRITISH MUSEUM (NATURAL HISTORY), LONDON, British Antarctic (Terra Nova) Expedition, 1910, Natural History Report (Zoology), Vol. 3, Nos. 7-9, Vol. 6, No. 1, 1921.

Economic Series No. 12, "The Cockroach", by F. LAING, M.A., B.Sc., 1921.

The Trustees.

BUREAU OF PRODUCTIVE INDUSTRIES, TAIHOKU, Two works on Formosan and Japanese Woods, by Ryozo Kanchira, 1921.

The Government of Formosa.

CINCINNATI MUSEUM, U. S. A., Pamphlet on the 28th Annual Exhibition of American Art, 1921, Cincinnati Museum Association, Annual Report for 1920.

The Trustees.

DEPARTMENT OF LANDBOUW, NIJVERHEID EN HANDEL, BUITENZORG, Java. Treubia, Vol. 1, Livr. 4, 1921.

The Department.

DUNCKER, G., Revision der Syngnathidæ, Part. 1.

The Author.

EGYPT, MINISTRY OF FINANCE, CAIRO, Zoological Service Report, 1920, being Publication No. 34, 1921.

The Department.

"FAUNE ENTOMOLOGIQUE DE L'INDO-CHINE FRANCAISE", SAIGON, Fasc. 1, 1920, 2-3, 1921.

The Editor.

HARTERT, Dr. E., Die Vogel der palæarktischen Fauna, Vol. III, 3, Heft 17, 1921.

The Author.

HILL MUSEUM, WITLEY, SURREY, Bulletin, Vol. 1, No. 1, 1921.

The Trustees.

ICONES PLANTARUM FORMOSANARUM, Vol. 10, 1921.

Bureau of Forestry and Industries, Government of Formosa, Taihoku.

INDIA, Zoological Survey Report, 1917-20.

The Director, Zoological Survey of India, Calcutta.

LINSCHOTEN-VEREENIGING, GRAVENHAGE, HOLLAND, Jaarsverslag, 1920.

The Society.

MADRAS FISHERIES DEPARTMENT, Bulletin No. 12, 1920.

The Department.

MARSHALL, G.A.K., D.Sc., On the Genuss Aorus, Schh. (Coleoptera)

The Author.

MJOBORG, E.,

(i) Preliminary description of a new representative of the family Termitocoridae Silv.;

(ii) Results of his Swedish Scientific Expeditions to Australia, 1910-13, Parts 9, 14, 19.

The Author.

MOQUETTE, J. P., De oudste Mohammedaansche Inscriptie op Java, n. m. de Grafsteen te Loran, 1921.

The Author.

NOBLE, G. K., Anterior Cranial Elements of Oedipus and certain other Salamanders, 1921.

The Author.

NUMISMATIC SOCIETY OF INDIA, DELHI. Proceedings of the Annual Meeting, 1920.

PATHOLOGISCHES INSTITUT.....UNIVERSITÄT ZU SENDAI, Mitteilungen, Band 1, Heft 2, 1921.

Kais.-Japanische Universität zu Sendai.

PHILIPPINE ISLANDS, BUREAU OF SCIENCE, MANILA, Journal and Reports.
The Bureau.

ROBINSON, H. C., Three Pamphlets (Re-prints):—

- (i) On Birds collected.....S. E. Siam;
- (ii) Notes on recently described races of Siamese and Malayan Birds;
- (iii) On a species of Tree-Partridge from the mountains of the Malay Peninsula.

The Author.

ROBINSON, H. C., and C. BODEN KLOSS, Five Pamphlets:—

- (i) On a collection of Birds from N. E. Sumatra;
- (ii) On a collection of Birds from the Province of Puket, Peninsular Siam;
- (iii) Preliminary Diagnosis of some new species and sub-species of Mammals and Birds obtained in Korinchi, W. Sumatra, February to June, 1914;
- (iv) On Birds from S. Annam and Cochin China, Parts 1-2;
- (v) On Birds from the N. portion of the Malay Peninsula.

The Authors.

SMITHSONIAN INSTITUTION, WASHINGTON, U. S. A.,

- (i) United States National Museum Bulletins 100, Parts 7-9 and 101, 103, 105, 106, 109, 1920; 112, 115, 116, 1921;
- (ii) Contributions from the U. S. National Herbarium, Vol. 20, Parts 8-9, 1920; Vol. 22, Parts 4-5, 1921;
- (iii) Annual Report, 1920;
- (iv) Proceedings, Vol. 56, 1920.

The Institution.

SPAETH, Dr. F., Monograph "Neue Cassidinen", 1919.

The Author.

KUALA LUMPUR, FEDERATED MALAY STATES MUSEUMS.

- (i) Journal, Vol. 9, Part 3, Vol. 10, Part 3, 1921. Also one complete set of Journals;
- (ii) Boulenger's "Reptilia and Batrachia";
- (iii) Hand-list of Birds of the Malay Peninsula;
- (iv) Fasciculi Malayenses (Zoology), Parts 1-3, 1903-6, (Odonata) Part 2, 1907.

The Department.

KUALA LUMPUR, DEPARTMENT OF AGRICULTURE, Federated Malay States Agricultural Bulletin, Vol. 8, Parts 3-4, 1920; Vol. 9, Part 1, 1921.

The Department.

SINGAPORE GARDENS' Bulletin, Vol. 2, No. 12, 1921.

The Departments.

SINGAPORE, STRAITS BRANCH, ROYAL ASIATIC SOCIETY, Journal No. 83, 1921.

The Society.

TOKYO IMPERIAL UNIVERSITY, JAPAN,, Medizinische Fakultät, Mitteilungen, Band 9, Heft 1, 1910.

The University.

TOKYO ZOOLOGICAL SOCIETY, JAPAN, Annotationes Zoologicae Japonenses, Vol. 10, Nos. 1, 2, 6, 1921.

The Society.

VICTORIA AND ALBERT MUSEUM, LONDON, Publications 1915-18, 4 vols.

The Trustees.

By Purchase.

ANNALS AND MAGAZINE OF NATURAL HISTORY, Vols. 7-8, 1921.

ENTOMOLOGICAL SOCIETY OF LONDON, Transactions, Parts 3-5, 1920.

IBIS, 11th Series, Vol. 3, 1921.

LINNAEAN SOCIETY, LONDON, Journals Nos. 303 (Botany), 1921, and 228 (Zoology), 1920; Transactions, 2nd Series (Zoology), Vol. 17, Part 4, 1921.

MUSEUMS JOURNAL, LONDON, Vol. 20, Nos. 1-6, July to December, 1920; Nos. 7-12, January to June, 1921. Vol. 21, Nos. 1-6, July to December, 1921.

NOVITATES ZOOLOGICÆ, Museum, Tring, Vol. 27, Part 1, 1920.

ZOOLOGICAL SOCIETY OF LONDON, Proceedings, 1920, 1921.

On Loan from the Malayan Branch, Royal Asiatic Society.

ASIATIC SOCIETY OF BENGAL, Journal and Proceedings.

BERNICE PAUAHII BISHOP MUSEUM, HAWAII, Memoirs and Occasional Papers.

BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY, Journal.

BOMBAY NATURAL HISTORY SOCIETY, Journal.

CALIFORNIA UNIVERSITY, Publications in Zoology.

CARNEGIE MUSEUM, PITTSBURG, Annals, Memoirs and Reports.

COLOMBO MUSEUM, "Spolia Zeylanica", Vol. 10, Nos. 36-39, 1914-17; Vol. 11, Nos. 43-44, 1918-19.

FIELD MUSEUM OF NATURAL HISTORY, CHICAGO, Annual Reports and Report Series, Vol. 5, Parts 3-4.

HARVARD COLLEGE, CAMBRIDGE UNIVERSITY, U. S. A. Museum Bulletin.

INDIA, AGRICULTURAL RESEARCH INSTITUTE, PUSA, Memoirs of Department of Agriculture in India—

(i) Entomological Series;

(ii) Bacteriological Series, Vol. 1, Part 8, 1920;

(iii) Bulletin Nos. 100-115, 1921.

INDIAN MUSEUM, CALCUTTA, Memoirs, Records and Reports.

NEW YORK ZOOLOGICAL SOCIETY, U. S. A., Bulletin.

SIAM, NATURAL HISTORY SOCIETY OF SIAM, BANGKOK, Journal.

SMITHSONIAN INSTITUTION, WASHINGTON, U. S. A., Herbarium Contributions, Bulletins, Reports and Proceedings.

C. LIBRARY.

12. Mr. JOHNSTON, the Librarian, indicates in the following sections the progress made by the Raffles Library during the year under review.

The statistics show the rapidly increasing interest taken in the Library by the general public and at the same time testify to the care and judgment shown by Mr. JOHNSTON in finding out and meeting the wishes of subscribers. Weeding out has been carried out somewhat drastically, but in spite of this necessary measure there is still a lack of space for many reference works. Reading room facilities are also of necessity somewhat limited.

LIBRARY REPORT, 1921.

Library open.—The Library was open to the public from 9-30 A.M. to 6 P.M. on 306 days during the year.

13. *Subscribers.*—The number of subscribers has advanced from 614 in 1920 to 712 in 1921. This constitutes the highest record yet obtained, and amply testifies to the growing popularity of the Library. The increase is particularly gratifying in view of the unusually large number of subscribers who left the Colony in 1921, and in view of the introduction on 1st January of higher rates of subscription.

The following tables indicate the classes into which the total number of subscribers are divided, and their cosmopolitan character:—

| 1920. | | | | 1921. | | | |
|-----------|-----|-----|-------|-----------|-----|-----|-------|
| <hr/> | | | | <hr/> | | | |
| 1st Class | ... | 177 | | 1st Class | ... | 227 | |
| 2nd Class | ... | 255 | | 2nd Class | ... | 321 | |
| 3rd Class | ... | 182 | | 3rd Class | ... | 164 | |
| | | | <hr/> | | | | <hr/> |
| | | | 614 | | | | 712 |
| | | | <hr/> | | | | <hr/> |

| Nationality. | Male. Female. Total. | | | Male. Female. Total. | | | | |
|--------------|----------------------|-------|-------|----------------------|-------|-------|-----|-----|
| <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | | |
| British | ... 243 | 85 | 328 | 460 | 97 | 557 | | |
| American | ... 42 | 18 | 60 | 12 | — | 12 | | |
| French | ... 30 | 5 | 35 | 5 | — | 5 | | |
| Dutch | ... 7 | 3 | 10 | 2 | 1 | 3 | | |
| Eurasian | ... 41 | 12 | 53 | 36 | 3 | 39 | | |
| Jewish | ... 9 | 2 | 11 | 3 | — | 3 | | |
| Arab | ... — | — | — | — | — | — | | |
| Ceylonese | ... 14 | 2 | 16 | 1 | — | 1 | | |
| Chinese | ... 60 | 6 | 66 | 58 | 1 | 59 | | |
| Indian | ... 10 | 1 | 11 | 24 | — | 24 | | |
| Japanese | ... 8 | — | 8 | 2 | — | 2 | | |
| Malay | ... 14 | — | 14 | 7 | — | 7 | | |
| Persian | ... 2 | — | 2 | — | — | — | | |
| | | | <hr/> | <hr/> | <hr/> | <hr/> | | |
| | | | 480 | 134 | 614 | 610 | 102 | 712 |

The big increase in British subscribers is noteworthy, as is also the decrease, probably due to the trade slump, of American, French and Dutch subscribers, who have fallen from 105 to 20.

14. *Subscriptions.*—Subscriptions for the year under review showed an increase of \$2,709.50 over those of 1920, due almost entirely to the increased rates which were introduced at the beginning of the year.

The following table shows the amount of revenue derived from subscriptions during the past ten years, and also illustrates the steady increase in the number of subscribers:—

| Year. | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|
| Amount of subscriptions ... | \$ 2,814 | \$ 2,822 | \$ 2,847 | \$ 2,724 | \$ 3,031 | \$ 3,269 | \$ 3,939 | \$ 4,174 | \$ 4,409 | \$ 7,117.50 |
| Number of subscribers. | | | | | | | | | | |
| Total ... | 386 | 405 | 388 | 396 | 448 | 482 | 555 | 589 | 614 | 712 |

15. *Books and Periodicals.* (a) *Issue of Books.*—In the past year 48,746 books were issued against 39,937 in 1920, an increase of 8,809 (22 per cent). The past year has therefore been a record one, the previous highest record being that of 1920. The total of issues compares favourably with the returns of other libraries of a similar nature.

(b) *Purchase of Books.*—To meet increasing demands, 1,158 new books were purchased during the year at a cost of \$4,037.46, against 750 in 1920 at a cost of \$2,655.15. Despite the fact that our expenditure on new books was nearly doubled, and a process of duplicating popular works was introduced, the demands of readers during the year were such as to tax the resources of the Library to the utmost. The following table gives a comparison of the number of books added during the past three years:—

| | Fiction. | History. | Biography. | Letters. | Geography and Travels. | Poems and Plays. | Art. | Natural Science. | Religion. | Law and Logic. | General Science. | Philology. | Juvenile. | Total. |
|---------|----------|----------|------------|----------|------------------------|------------------|------|------------------|-----------|----------------|------------------|------------|-----------|--------|
| 1919... | 251 | 104 | 38 | 40 | 35 | 30 | 4 | 15 | 11 | 10 | 6 | 2 | ... | 546 |
| 1920... | 362 | 91 | 39 | 89 | 36 | 34 | 3 | 47 | 21 | 13 | 8 | ... | 7 | 750 |
| 1921... | 757 | 64 | 28 | 43 | 22 | 34 | 15 | 19 | 15 | 10 | 22 | 26 | 103 | 1,158 |

(c) *Bulletins of Additions.*—Quarterly bulletins of additions were published instead of monthly lists. These proved more popular, as the books are grouped according to their nature and contents under a few main subject headings, thus facilitating reference. The usual lists of new books were also sent monthly, and sometimes bi-monthly to the *Straits Times* and the *Singapore Free Press*, to whom the Committee is indebted for their courtesy in according such lists additional publicity.

(d) *Periodicals.*—At the beginning of the year our selection of newspapers and magazines was judiciously revised and made more attractive by additional purchases. Our stock now includes 4 dailies, 27 weeklies, 31 monthlies and 3 quarterly publications, making a total of 65 against last year's total of 47.

16. *Library Sections.*—At the present time the Raffles Library is divided into three distinct sections, viz.:—(1) a Reference Library; (2) a Non-Fiction Lending Library and (3) a Fiction Lending Library.

(a) *Reference Library.*—This section includes the valuable collections of Dr. REINHOLD ROST, of the India Office (970 volumes), and J. R. LOGAN, Esq. (1,014 volumes). They relate mainly to the philology, ethnology and geography of the Malay Archipelago and are kept in separate cases. In addition to these collections there are also some 3,600 volumes which are, for the most part, encyclopædic in character, or too valuable for circulation outside the Library. The Biological Reference Library which is housed in the Museum runs to over 2,500 volumes.

(b) *Lending Library (Non-Fiction).*—This section contains some 20,000 volumes and the bulk of the Library stock. Although it covers a wide range of subjects, the useful arts such as engineering, architecture, chemical technology and commerce are not represented to any great extent. The principle laid down by the Committee is that the Raffles Library should not attempt to provide full literature for any one trade or profession. But the demand for literature connected with local industries is well catered for. Works on rubber, tin, copra, fibre, oil, etc., are well represented and are continually supplemented. Apart from technological works, however, the general lending section is well represented in Biography (2,800 volumes), History and Travel (7,300 volumes), Belles Lettres, Essays, the Drama and Poetry (3,100 volumes).

(c) *Lending Library (Fiction).*—The Fiction Section is naturally the most popular in the Library in such a place as Singapore, where the desire for good light literature is widespread. Fifty per cent of the books added annually to the Library are Fiction. The total number of volumes in this Section is now some 7,600.

(d) *Library of the Malayan Branch, Royal Asiatic Society.*—A summary of the contents of the Raffles Library would hardly be complete without mention of the Library of the Malayan Branch of the Royal Asiatic Society. It contains 2,000 volumes and a large number of pamphlets, practically all relating to the study of Malayan subjects. It is housed in the same building as the Raffles Library, and by an arrangement with the Society is available for the use of any serious students.

17. *Conservation.*—In a climate such as this, heat and moisture cause books to deteriorate rapidly, and paste, glue, and other agglutinants used in binding attract boring beetles and other insects, no matter what preservative varnishes are employed. As far back as 1898 the late Director treated many of the books with a composition made up of the following ingredients:—

1 part Corrosive Sublimate, 1 part Carbolic Acid and 32 parts Methylated Spirit.

This mixture was recommended in the "Kew Bulletin" for 1895, p. 237. At the time of using the mixture the late Director expressed the opinion that only time would prove its efficacy, and from recent discoveries of insects amongst the books treated it can be said that it has had a temporary effect only. For the present, therefore, and in the absence of shelving and glass cases, books and book cases are cleaned as often as possible. They are also arranged in such a manner as to allow for good light and a plentiful circulation of air.

18. *Reorganisation.*—Two large store-rooms adjoining the public-room were partially cleared. They originally contained nine large cases of local newspapers, two of Government publications, and a vast miscellaneous collection of printed matter of little value to the Library. This last collection was carefully sifted, and only matter of a really permanent value has been retained.

In order to keep the Library up-to-date and to remove a mass of worthless fiction, 2,500 volumes were withdrawn from circulation. In judging the merits and demerits of each book, the following points were taken into consideration:—

- (i) The condition of the book as regards wear.
- (ii) The popularity of the book.
- (iii) Whether the book was in one or more volumes.
- (iv) The quality of the book as being of standard literary interest or merely transient interest.

No novel which has been mentioned in any literary history has been withdrawn unless its condition demanded that it should be replaced by a new copy, but the works of minor novelists which have remained on the shelves unissued for some years have been liberally discarded. In almost every case three-volume novels have been withdrawn, but where these are of any worth they will be replaced by one-volume editions. The day when three-volume novels occupied the shelves of libraries has passed long since.

It has been well said that a library must not be judged by the number of books it possesses, but by the number of *live* books it possesses. In this connection it might be said that the Raffles Library possesses many books, but that these only form the nucleus of what in time might become an excellent library, offering the best facilities for serious as well as recreative reading. In the last seventy years the Library has evidently not been weeded out, and all books have been preserved in terms of the sentimental storage dictum that "a book's a book although there is nothing in't".

While weeding out has progressed on the one hand, the opportunity has also been taken to fill obvious deficiencies. In many cases popular books have been duplicated, while steps have been taken to ensure a better representation of certain standard novelists.

A large number of discarded novels were presented to the General Hospital where it is understood they have been much appreciated. Others were sold at a small price to out-station subscribers, or to local clubs.

19. *Fiction Catalogue*.—A new Fiction catalogue consisting of an author list covering 7,592 works was prepared during the year (and published in February, 1922). Special lists will be published from time to time as supplements to this author catalogue. In addition to this catalogue a card catalogue under both authors and titles has been provided for the use of readers. It also contains select lists of historical novels, best fiction and best French fiction.

The production of the printed catalogue and the card catalogue entailed a considerable amount of patient application on the part of the staff. It involved a complete rearrangement and re-numbering of all the Fiction volumes.

In addition to work entailed in the actual cataloguing a register system for the issue of books has been evolved necessitating two cards for each book, upon each of which the author, title, book number and shelf number are typed. This system, together with the cataloguing, involved both the writing out and arranging in an ordered manner of over fifty-two thousand entries.

20. *Educational*.—Attempts were made in conjunction with the Education Department to establish a Juvenile Library, but although there was a gratifying response on the part of some of the schools, lack of funds prevented any further action being taken. Outside the school curricula there are no organised reading facilities for the Singapore children of whom there are 10,500 pupils in English schools alone. A large number of these could undoubtedly take pleasure and profitable interest in reading the right kind of books out of school hours. In his presidential address to the Library Association in 1920, the Rt. Hon. J. HERBERT LEWIS, P.C., M.P., Parliamentary Secretary to the Board of Education, urged "that the establishment of connection between the school population and the public library should be fostered as a means not only of rendering immediate help both to children and schools, but of securing at a later date a large increase in regular users of libraries." The possibility of an extension of the Raffles Library work on these lines will be borne in mind.

21. *Library Association*.—With the object of regularly securing much profitable information in connection with modern library practice and development, the Raffles Library was recommended for and elected to Institution Membership of the Library Association, and the Librarian was nominated as its representative.

22. *Exchanges*.—As a further means of gaining information on what is being done in other Libraries an exchange of annual reports was arranged with 37 libraries, for the most part in Great Britain, the Colonies and the United States.

23. *Donations*.—For various books and publications presented during the year the Committee are greatly indebted to the following:—

The Governments of the Straits Settlements, Federated Malay States, Sarawak, British North Borneo, Johore, French Indo-China, Siam, Philippine Islands, and New Zealand; Singapore Municipality, Singapore Chamber of Commerce, the Director of Gardens (Straits Settlements and Federated Malay States), Malayan Branch, Royal Asiatic Society, the Conservator of Forests (Straits Settlements and Federated Malay States), Committee for Malay Studies, Penang Free School, the Public Libraries of Aberdeen, Glasgow, Newcastle-upon Tyne, Bolton, Bristol, Dunfermline, Fulham, Victoria, B. C., Sydney, New York, Boston, Library of Congress Washington, D. C., Dr. R. O. WINSTEDT, Professor HARRISON W. SMITH, Messrs. A. J. SHELLY-THOMPSON, WILFRID H. SCHOFF, C. M. PHILLIPS, J. NOBLE, C. E. WURTZBURG, G. E. CUBITT, and KOH HOON TECK.

J. C. MOULTON,

Director, Raffles Museum and Library.

SINGAPORE, 25th June, 1922. [No. 4963/22].

RAFFLES MUSEUM AND LIBRARY, 1ST JANUARY TO 31ST DECEMBER, 1921.

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| RECEIPTS. | | | | Amount. | | Amount. | | PAYMENTS. | | Amount. | | Amount. | |
|------------------------|--|-----|-----|---------|----|---------|----|------------------|---|---------|-----|---------|----|
| | | | | \$ | £ | \$ | £ | | | \$ | £ | \$ | £ |
| <i>Administration.</i> | | | | | | | | | | | | | |
| 1. | To Government Grant | ... | ... | 25,000 | 00 | | | 1. | By Debit balance 1st January, 1921, current account | ... | ... | 72 | 57 |
| 2. | " Interest (current account) | ... | ... | 70 | 11 | | | 2. | " Salaries (Clerical and Subordinate Staff) | ... | ... | 16,725 | 91 |
| 3. | " Cash in hand (not shown in 1920 statement) | ... | ... | 150 | 00 | | 11 | 3. | " Clothing | ... | ... | 471 | 00 |
| | | | | | | | | 4. | " Furniture | ... | ... | 2,182 | 43 |
| <i>Museum.</i> | | | | | | | | 5. | " Gas, Water and Electricity | ... | ... | 232 | 47 |
| 4. | To Sale of duplicate specimens | ... | ... | 265 | 13 | | 13 | 6. | " Insurance | ... | ... | 125 | 25 |
| | | | | | | | | 7. | " Telephone | ... | ... | 195 | 56 |
| <i>Library.</i> | | | | | | | | | | | | | |
| 5. | To Subscriptions to the Library:— | | | | | | | <i>Museum.</i> | | | | | |
| | For 1921 | ... | ... | 7,035 | 50 | | | 8. | By Collecting Expeditions | ... | ... | 1,761 | 98 |
| | For 1922 | ... | ... | 82 | 00 | | | 9. | " Materials, Preservatives and Tools | ... | ... | 1,638 | 65 |
| 6. | " Sale of Library Catalogues | ... | ... | 13 | 55 | | | 10. | " Miscellaneous and Printing | ... | ... | 1,794 | 76 |
| 7. | " Value of replaced Books | ... | ... | 20 | 00 | | | 11. | " Purchase of specimens | ... | ... | 1,028 | 80 |
| 8. | " Outstation Postages in advance | ... | ... | 116 | 30 | | | <i>Library.</i> | | | | | |
| 9. | " Deposits | ... | ... | 255 | 00 | | | 12. | By Book-binding | ... | ... | 382 | 25 |
| 10. | " Miscellaneous Receipts | ... | ... | 28 | 70 | | | 13. | " Miscellaneous (including refund of deposits) | ... | ... | 1,037 | 49 |
| | | | | | | | | 14. | " Periodicals and Newspapers | ... | ... | 1,010 | 76 |
| | | | | | | | | 15. | " Printing | ... | ... | 166 | 94 |
| | | | | | | | | 16. | " Purchase of Books | ... | ... | 4,031 | 92 |
| | | | | | | | | By Cash in hand | | ... | ... | 6,629 | 36 |
| | | | | | | | | " Credit balance | | ... | ... | 150 | 00 |
| | | | | | | | | | | ... | ... | 27 | 55 |
| | | | | | | | | | | ... | ... | 33,036 | 29 |

RAFFLES MUSEUM AND LIBRARY,
SINGAPORE, 30th May, 1922.

J. C. MOULTON,
Director.

APPENDIX A.

The following papers, concerning material in the Raffles Museum, or by members of the Staff on other kindred subjects have been published during the year 1921 :—

- CHASEN, F. N.—(i) Notes on the Breeding of the Lesser Kestrel (*British Birds*, Vol. XIV, No. 8, pages 170-174);
- (ii) Field Notes on the Birds of Macedonia with special reference to the Struma Plain (*Ibis* 11th ser. Vol. III, pages 185-227).
- KLOSS, C. B.—(i) Malaysian Bearded Pigs (*Jour. Str. Br., R. A. S.*, No. 83, pages 147-150);
- (ii) A new Squirrel from North Sarawak (*Jour. St. Br., R. A. S.*, No. 83, pages 151-152).
- MOULTON, J. C.—(i) Points of the Compass in Brunei Malay (*Jour. St. Br., R. A. S.*, No. 83, page 75).
- (ii) Notes on a vocabulary of Brunei Malay by H. B. MARSHALL (*Jour. St. Br., R. A. S.*, No. 83, pages 45-74);
- (iii) Occurrence of the Malayan Badger or Teledu in Borneo (*Jour. St. Br., R. A. S.* No. 83, pages 142-146);
- (iv) Odoardo Beccari (*Jour. St. Br., R. A. S.*, No. 83, pages 166-173, in conjunction with I. H. BURKILL).
- (v) Notes on Malaysian Butterflies (Part I) *Danainæ* (*Jour. F. M. S. Mus.* Vol. X, pages 157-192).
- MAXWELL, C. N.—(i) Malayan Fishes *Jour. Str. Br., R. A. S.*, No. 84, pages 174-).

LABOUR DEPARTMENT.

Indian Immigration.

The total number of immigrants arriving at Penang from Southern India in 1921 was 45,673 as compared with 95,220 in 1920, a decrease of 49,547.

Details of the arrivals, month by month, are given in Appendix A.

2. The figures for arrivals for the last five years are as follows:—

| — | 1917. | 1918. | 1919. | 1920. | 1921. |
|---|--------|--------|---------|--------|--------|
| Assisted immigrants, <i>i.e.</i> , with passages paid for from the Immigration Fund ... | 78,407 | 55,583 | 88,021 | 78,855 | 15,413 |
| Other Immigrants ... | 11,670 | 9,708 | 13,412 | 16,365 | 30,260 |
| Total ... | 90,077 | 65,291 | 101,433 | 95,220 | 45,673 |

The assisted immigrants include 827 children under ten years of age, and the "other immigrants" 2,787 children, a total of 3,614 children as compared with 10,330 in 1920 and 10,723 in 1919.

Of the "other immigrants" 18,750 or rather less than 62 per cent were of the labouring classes, the remaining 11,510 being traders and others. The proportion of labourers amongst "other immigrants" in 1920 was rather less than 54 per cent.

A statement showing the destinations of assisted immigrants is given in Appendix B.

3. The number of Indians leaving the Colony for Southern India was 57,912 adults and 3,639 minors as against 53,154 adults and 2,327 minors in 1920. Particulars will be found in Appendix C.

4. The excess of emigrants over immigrants was 15,853 adults and 25 children as compared with an excess of immigrants over emigrants of 31,736 adults and 8,003 children in 1920.

Communication with Southern India.

5. The weekly service from Southern India under contract with the British India Steam Navigation Company, Limited, was maintained throughout the year. Fifty-two immigrant ships arrived during the year, compared with 54 in 1920.

6. The number of deck tickets (including 827 half tickets for children) at the reduced rate for labourers taken during 1921, and paid for from the Immigration Fund, was 14,999½, as compared with 74,684½ in 1920.

Quarantine.

7. Of the 52 steamers that arrived at Penang during the year carrying assisted immigrants, 6 were declared infected with small-pox and 1 with cerebro-spinal-meningitis.

The assisted immigrants bound for Penang were, however, detained as usual for a period of observation in the Quarantine Station at Pulau Jerejak.

The total number sent to the Station was 7,842.

8. The scheme for rendering the old Quarantine Station fit for use for quarantine purposes in the event of an emergency was abandoned, as the Station was required for other purposes. It was proposed to erect additional small wards in the new Camp.

Immigrants with Aided Passage Tickets.

9. The following table gives the proportion of men and women and of adults and minors during the last five years (assisted immigrants only):—

| | | Adults. | | Percentage of Females. | Total Assisted Immi- grants. | Minors. | Percentage of Minors. |
|------|-----|---------|----------|------------------------------|---------------------------------------|---------|-----------------------------|
| | | Males. | Females. | | | | |
| 1917 | ... | 58,107 | 13,844 | 19·24 | 78,407 | 6,456 | 8·23 |
| 1918 | ... | 38,013 | 11,681 | 23·50 | 55,583 | 5,889 | 12·39 |
| 1919 | ... | 62,006 | 16,904 | 27·26 | 88,021 | 9,111 | 10·35 |
| 1920 | ... | 56,296 | 14,218 | 20·16 | 78,855 | 8,341 | 10·57 |
| 1921 | ... | 12,211 | 2,375 | 16·28 | 15,413 | 827 | 5·37 |

10. Independent labourers supplied with free passages from India to Malaya on application amounted to 1,935 as compared with 8,625 in 1920. Of these immigrants 427 remained in the Colony, 1,363 proceeded to the Federated Malay States, 46 to Johore and 99 to Kedah.

11. The remaining 12,651 adult assisted immigrants were recruited by licensed kanganyes. Of these immigrants, 22 redeemed themselves at Penang, 37 absconded from or on the way to the Depot and 10 died at Penang (5 at the Penang District Hospital, and 5 at the Pulau Jerejak Quarantine Station).

12. The numbers of adult kangany-recruited labourers during the last five years have been as follows:—

| Destination. | | 1917. | 1918. | 1919. | 1920. | 1921. |
|----------------|-----|--------|--------|--------|--------|--------|
| Singapore | ... | ... | 176 | 223 | 167 | 6 |
| Penang | ... | 2,299 | 2,043 | 1,762 | 2,001 | 292 |
| Malacca | ... | 5,567 | 2,907 | 6,137 | 4,327 | 999 |
| Perak | ... | 18,995 | 12,915 | 15,334 | 18,242 | 2,020 |
| Selangor | ... | 27,541 | 16,140 | 30,495 | 21,278 | 4,917 |
| Negri Sembilan | ... | 4,305 | 2,990 | 5,373 | 5,432 | 1,895 |
| Pahang | ... | 351 | 257 | 497 | 743 | 211 |
| Johore | ... | 4,369 | 3,494 | 3,881 | 6,117 | 1,747 |
| Kedah | ... | 1,712 | 1,561 | 3,164 | 3,245 | 501 |
| Kelantan | ... | 121 | 175 | 381 | 337 | 63 |
| Total | ... | 65,260 | 42,658 | 67,247 | 61,889 | 12,651 |

13. In the year under review, 1,555 kangany licences (for the Straits Settlements, the Federated Malay States, Johore, Kelantan, Kedah and Perlis) were issued as compared with 9,441 in 1920. Registration of 12 licences was refused in Penang and 97 were cancelled after issue on the advice of the officers of the Department in India, as compared with 86 refused and 246 cancelled in 1920.

14. The following table gives the distribution of licences and the results obtained ---

| | | | Number of licences issued in 1921. | Number of Kangani coolies re- cruited in 1921. | Average per Kangani in 1921. | Average per Kangani in 1920. |
|------------------------|------------|-----|---|--|---------------------------------------|------------------------------------|
| Straits Settlements | ... | ... | 153 | 1,297 | 8.47 | 6.53 |
| Federated Malay States | ... | ... | 1,141 | 9,043 | 7.92 | 6.36 |
| Non-federated States | { Kedah | ... | 59 | 501 | 8.49 | 6.46 |
| | { Johore | ... | 190 | 1,747 | 9.19 | 8.32 |
| | { Kelantan | ... | 12 | 63 | 5.25 | 14.04 |
| Total | | | 1,555 | 12,651 | 8.13 | 6.55 |

Health and Treatment of Labourers.

15. Returns of Indian labourers under section 53 of the Labour Ordinance, 1920, received from 5 estates in Penang, 32 estates in Province Wellesley, 8 estates in the Dindings and 54 estates (including the Botanical Gardens) in Singapore are given in Appendix D.

16. On estates in Penang with an average population of 153, there were no deaths.

In Province Wellesley on an average population of 8,656, the death-rate was 9.24 per mille as compared with 15.92 per mille in 1920 and 15.91 in 1919.

In the Dindings the death-rate was 4.10 per mille on an average population of 1,709 as compared with 12.16 per mille in 1920 and 8.34 in 1919.

17. Hospitals are maintained on Bertam, Malakoff, Prai, Val d'Or, Bukit Tambun and Caledonia Estates in Province Wellesley, the latter being a central hospital for the Caledonia Group of the Penang Rubber Estates, Limited. In the Dindings, hospitals are maintained on Sandycroft and Pundut Estates.

18. The number of estates in Singapore (excluding the Botanic Gardens) from which returns were received was 53. On an average population of 2,150, the death-rate works out at 1.40 per mille as compared with 10.68 per mille on an average population of 1,217 in 1920 and 17 per mille on an average population of 1,412 in 1919.

19. Statistics of the labour employed in Public and Municipal Departments in Penang, Province Wellesley and the Dindings are included in Appendix D.

20. The number of visits of inspection paid by officers of the Department in Penang, Province Wellesley and the Dindings was eight, one visit being made to enquire into a complaint.

21. Ninety-seven complaints were received in the Penang Labour Office during the year: they are classified as follows:—

| | | | | |
|---|-----|-----|-----|----|
| Non-payment of wages | ... | ... | ... | 67 |
| Wrongful dismissal | ... | ... | ... | 6 |
| Failure to discharge on termination of notice | ... | ... | ... | 3 |
| Miscellaneous | ... | ... | ... | 21 |

Numerous matrimonial complaints were also enquired into.

22. There were no cases of suicide of Indians reported during the year in Penang, Province Wellesley and the Dindings.

23. Particulars of schools maintained on estates are shown in Appendix E.

24. For the Settlement of Malacca returns of labourers under section 53 of the Labour Ordinance, 1920, were received from 98 estates (Appendix F) as compared with 55 in 1920. These returns were received commencing from April 1st, when the new Labour Ordinance came into force.

25. The number of Indian estate labourers employed on 31st December in each of the last five years was as follows:—

| | | | | |
|------|-----|-----|-----|--------|
| 1917 | ... | ... | ... | 12,064 |
| 1918 | ... | ... | ... | 11,255 |
| 1919 | ... | ... | ... | 14,186 |
| 1920 | ... | ... | ... | 12,734 |
| 1921 | ... | ... | ... | 9,931 |

26. The number of deaths amongst Indians employed on estates in Malacca as submitted in the returns for nine months was 187, giving a death-rate of 23 per mille per annum on an average population of 10,781 as compared with 29.8 per mille on an average population of 13,592 in 1920, 27.9 per mille on an average population of 12,217 in 1919, and 67.1 per mille on an average population of 11,651 in 1918.

27. Among Indian labourers employed by Government Departments in Malacca, the number of deaths during the last nine months of the year was shown to be 5 on an average population of 816, being a death-rate of 8 per mille per annum as compared with a death-rate of 22.5 per mille on an average population of 889 in 1920. Details are given in Appendix F.

28. During the year, 18 visits of inspection were paid to estates in Malacca.

29. Thirty-three complaints were received from labourers in Malacca; they are classified as follows:—

| | | | | |
|---|-----|-----|-----|----|
| Wrongful dismissal | ... | ... | ... | 5 |
| Assault by Manager or Assistant | ... | ... | ... | 1 |
| Assault by clerk or kangany | ... | ... | ... | 4 |
| Non-payment or late payment of wages | ... | ... | ... | 3 |
| Refusal to discharge after a month's notice | ... | ... | ... | 3 |
| Separation of families | ... | ... | ... | 2 |
| Miscellaneous complaints | ... | ... | ... | 15 |

All the complaints were settled departmentally.

The Manager of a Chetty-owned estate was prosecuted for late payment of wages and was fined \$50.

30. The following estate hospitals were in use during the year:—

| | |
|------------------------------|-----------------|
| Batulang | Jasin Lalang |
| Bertam | Kemendore |
| Bukit Asahan (Head Quarters) | Kempas |
| Bukit Asahan (D. Division) | Kru |
| Bukit Kajang | Lendu |
| Chempadak | Merlimau |
| Cheng | Pegoh (Home) |
| Devon | Rembia Jelutong |
| Diamond Jubilee | Rim |
| Gadek | Tanjong Minyak |
| Garing | Tebong |
| | Tebolang. |

In addition to the above, there were small wards or sick lines for temporary accommodation of sick coolies on twelve estates.

All these wards were in charge of dressers and visited periodically by a Medical Practitioner.

The Government hospitals in Malacca, Jasin and Tampin (Negri Sembilan) were also used by thirty-eight estates for the treatment of sick labourers.

Sungei Bahru (Home) and Sungei Siput Estates use the hospital on the Negri Sembilan Division of the same rubber company while Batang Malaka Estate does likewise.

31. Tamil vernacular schools were maintained on the following estates:—

| | |
|--------|-----|
| Bertam | Kru |
| Devon | Rim |

The decrease of seven schools as compared with the number of schools in 1920 was due to the reduced labour force and the consequent small attendance.

32. Returns received under section 53 of the Labour Ordinance, 1920, from Government Departments, show that 740 Indian labourers were employed on 31st December, 1921, as compared with 970 in 1920.

33. Of the 98 estates from which returns have been received 25 imported labour direct from India as compared with 42 in 1920.

34. The general rates of wages of Indian labourers on estates in Malacca were as follows:—

| | | | <i>Males.</i> | <i>Females.</i> |
|---------|-----|-----|---------------|-----------------|
| | | | — | — |
| Tapping | ... | ... | 40 cents. | 40 cents. |
| Weeding | ... | ... | 35 „ | 30 „ |
| Store | ... | ... | 50 „ | 50 „ |

Javanese and Chinese were usually employed on contract.

In the Public Works and Railway Departments, the mean rate of wages was 40 cents a day.

35. Owing to the continuance of the system, introduced in 1919, of granting individual licences for toddy-shops there was a still further marked improvement in drunkenness. Seventy-five per cent of the toddy-shops in Malacca are either run by Estate Managers or are under their control.

Repatriation.

36. During 1921, 5,977 adult and 1,583 minor decrepit and destitute Indians were repatriated through this Department. Of these, 571 adults and 44 minors were from the Straits Settlements, 5,107 adults and 1,480 minors came from the Federated Malay States, 199 adults and 38 minors from Kedah, 53 adults and 11 minors from Johore, and 47 adults and 10 minors from Kelantan. The 571 adults and 44 minors from the Straits Settlements included 227 adult vagrants from Singapore and 82 adult and 1 minor vagrants from Penang. Eighty-six adults from the Colony were provided with free tickets by the generosity of the British India Steam Navigation Company. One hundred and seventy-six adults and forty-three minors were repatriated through the Department at the expense of others.

Certificates and Passports.

37. In 1921, 76 passports were issued in Penang and 577 passports and certificates viséd. Certificates under section 91 of the Labour Ordinance were issued to the number of 2,241. There was one conviction under the Passport Regulations during the year, a fine of \$20 being imposed.

In Singapore, 22 passports were issued and 249 passports and certificates viséd and endorsed. The number of certificates under the Labour Ordinance issued during the year was 3,933. There were six convictions under the Passport Regulations.

Indian Immigration Fund.

38. At the end of the year, the Immigration Committee consisted of the following members:—

The Acting Controller of Labour, Straits Settlements and Federated Malay States, *Chairman*;

The Principal Medical Officer, Federated Malay States;

The Director of Public Works, Federated Malay States;

Hon'ble Mr. J. MITCHELL;

Mr. C. W. BRADBURN;

Mr. T. H. MENZIES;

Mr. J. W. KENNEDY;

Mr. H. d'E DARBY;

Mr. V. A. TAYLER;

with the Deputy Controller of Labour, Penang, as Secretary.

39. The assessment rate under section 133 (i) (a) of the Labour Ordinance, 1920, was \$2 for the first two quarters, \$1 for the third quarter and 50 cents for the fourth quarter for every 78 days' work. No extra rate was imposed under section 133 (i) (b).

The recruiting allowance paid by the Indian Immigration Committee to employers for each labourer recruited by a kangany and brought to the Federated Malay States was fixed at \$20 for the first quarter, \$10 for the second quarter and \$15 for the third and the fourth quarters.

40. The income of the Immigration Committee during 1921 was \$3,027,681.24, the cash balance at the end of the year including fixed deposits and investments being \$2,830,768.37.

41. The chief heads of expenditure were as follows :—

| | \$ | c.. |
|--|---------|-----|
| Passages from India | 213,400 | 38 |
| Recruiting allowances | 87,087 | 13 |
| Quarantine expenses | 67,201 | 81 |
| Train, depôt and embarkation charges in India | 69,589 | 89 |
| Train and other fares to places of employment .. | 28,925 | 80 |

42. The quarantine expenses during the year averaged \$3.86 a head for Penang and \$4.15 for Port Swettenham, the general average for both quarantine camps being \$4.

43. The number of contributors to the Immigration Fund was 1,845 on the 31st December, 1921, as against 2,170 on the 31st December, 1920. The Government and Railway Departments contributing to the Fund numbered 164 in 1921 as against 152 in 1920.

Netherlands Indian Labour.

44. The number of Netherlands Indian labourers on estates in the Straits Settlements as shown by returns under section 53 (i) of the Labour Ordinance, 1920, was 2,428. Of these, 725 were in Province Wellesley, 163 in Malacca and 1,540 in Singapore. There have been, roughly, a decrease of 194 in Province Wellesley, an increase of 379 in Singapore and a decrease of 302 in Malacca.

The number of local contracts registered during the year was 122, all in Province Wellesley, which is the only part of the Colony where such contracts are made. The number registered in 1920 was 544.

The appointment of Assistant Controller of Labour for Netherlands Indian Immigrants remained vacant during the year, as it was not possible to appoint an officer. Nearly all places of employment have, however, been visited by one officer or another of the Department in the course of the year.

Legislation.

45. The Labour Ordinance of 1920 was brought into force on the 1st of April.

By a resolution of the Legislative Council, the Indian Immigration Committee was empowered to make use of the Fund for the following purposes :—

- (a) Distribution Camps for and transport and maintenance of unemployed labourers;
- (b) Cost of the collection and administration of the Indian Immigration Fund;
- (c) Repatriation of and assistance to Indian labourers in need of relief.

Certain additional kinds of labour were made liable for assessment under Part IX of the Labour Ordinance.

Staff.

46. Mr. W. PEEL acted as Controller of Labour throughout the year. The other Civil Service appointments were held as follows:—

In Penang Mr. H. G. R. LEONARD acted as Deputy Controller of Labour till November 19th, when he was succeeded by Mr. H. R. JOYNT. Mr. R. BOYD officiated as first Assistant Controller of Labour throughout the year. Captain E. A. ROSS, M.C., acted as Second Assistant Controller of Labour from his return from India on May 20th, till the end of the year.

In Malacca Mr. N. A. WORLEY, the Assistant Controller of Labour (Chinese), carried on the duties of Deputy Controller of Labour till 27th January, when he was relieved by Mr. A. B. BEIN. Mr. H. R. JOYNT assumed the duties of the appointment on 10th March, being succeeded by Mr. J. A. HUNTER on 18th November, 1921.

In Singapore, the duties of Assistant Controller of Labour were performed by Mr. J. T. N. HANDY throughout the year.

In India, Dr. E. C. FOSTON and Dr. J. C. C. FORD acted as Superintendent, Emigration Depôt, Negapatam, and Emigration Agent, Madras, respectively, throughout the year. Mr. W. J. K. STARK acted as Emigration Agent, Coconada, till April 27th when he went on long leave. The appointment remains in abeyance.

General.

47. The Government revenue collected by the Department was as follows:—

| | | | \$ | c. |
|------------------------------|-------|-----|-------|----|
| Fees for use of Penang Depôt | ... | ... | 631 | 10 |
| Passport fees | ... | ... | 677 | 00 |
| | | | <hr/> | |
| | Total | ... | 1,308 | 10 |
| | | | <hr/> | |

Three thousand eight hundred and sixty-eight dollars and ten cents were collected in 1920 and \$3,492.50 in 1919.

48. The scheme instituted by the Incorporated Society of Planters for the examination in Indian languages of Managers and Assistants proved a success.

Twelve candidates appeared for the Higher Standard (oral only) and all passed.

Ninety-three presented themselves for the Elementary Standard, 23 passing with distinction, while 17 failed.

The examiner reported that the general standard of proficiency was good.

49. The labour position throughout the year was very serious and caused considerable anxiety. As a result of the rubber slump, the majority of estates reduced their labour force to a minimum and virtually stopped recruiting; inasmuch as thousands of labourers return to India monthly, whether times are good, bad or indifferent, either for a holiday or permanently, this policy inevitably resulted in a shortage.

Efforts were made to impress upon employers the necessity of recruiting sufficient labour to make good this wastage of labour, but, whether it was the result of express orders from Directors at home or not, very little recruiting was done.

Furthermore, Malaya lost touch to a large extent with the recruiting areas in India, while its reputation for prosperity and high wages was temporarily damaged.

The position was undoubtedly difficult for, while it was obvious to those who appreciated the position that there would ultimately be a shortage, there was actually for a few months a small surplus of labour in the country. This may have caused employers to hesitate about recruiting, but the surplus was never sufficiently large to have much effect on the position once a shortage arose.

Although unemployment, more especially among Indians, never reached a really acute stage, arrangements were made to deal with it when it arose.

The Indian Immigration Committee were empowered to use the Indian Immigration Fund for purposes of repatriation, arranging schemes for finding work for unemployed and for erecting Distribution Camps and maintaining therein, when necessary, unemployed Indian labourers.

There was a certain amount of unemployment during the period July to October, the Indian labourers involved being looked after in the various camps.

The Chinese community took steps to make provision for Chinese unemployed, Government rendering assistance, financial and otherwise.

In October, a shortage of labour supervened, due to the failure to make good the normal wastage, and the few unemployed Indians were at once absorbed; shortly afterwards an increase in the price of rubber resulted in hurried instructions being sent from home in many cases to Managers to engage more tappers, and there was every promise of a frenzied race for labour. The price, however, fell again and for the time the labour position was less acute.

The Controller detailed the position to the Planters' Association of Malaya at a meeting held in November, and strongly urged the general resumption of recruiting. The Indian Immigration Committee, in order to give all encouragement possible, raised the rebate or recruiting allowance to \$20 per head; this left an appreciable margin of profit and so served as an additional inducement to recruit.

A large number of recruiting licences were taken out in December, but the numbers leaving the country were still largely in excess of those arriving from India.

Unfortunately, owing largely to the numbers going to Burmah for the harvest there, the recruiting in the first three months of the year is very limited, but there appears to be a reasonable prospect of success later.

It seems probable that the system of alternate day tapping or some similar system, whereby all trees are not tapped continuously, may assist in reducing to some extent the old demand for labour.

Moreover, the practice of paying contract rates for tapping seems to have become more popular; this also should further reduce the demand.

50 Towards the end of November, the Acting Controller of Labour visited the Department's offices and depôts in India.

On his recommendation, made after full enquiry on the spot, it was decided to postpone, for at least another year, the erection of the proposed Camp at Coconada.

It was further decided to close the Mint Street Dépôt, Madras, permanently, and the dépôts at Papacovil and Malpakkam temporarily, as it was found possible to provide for all emigrants at the Camps at Avadi and Negapatam

LABOUR OFFICE,
KUALA LUMPUR, 25th March, 1922.

W. PEEL,
Acting Controller of Labour,
S. S. & F. M. S.

APPENDIX A.

Statement of Arrivals from Madras and Negapatnam in each month during 1921.

| MONTHS. | Number of Steamers Arrived. | INDEPENDENT LABOURERS. | | | | LABOURERS RECRUITED BY KANGANIES. | | | | OTHER EMIGRANTS, <i>i. e.</i> , ORDINARY PASSENGERS. | | | | TOTAL ARRIVALS. | |
|---------------|-----------------------------|------------------------|-----|---------|-----|-----------------------------------|-------|---------|-----|--|-------|---------|----|-----------------|---------|
| | | Adults. | | Minors. | | Adults. | | Minors. | | Adults. | | Minors. | | Adults. | Minors. |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | | |
| January ... | 4 | 324 | 39 | 12 | 8 | 1,201 | 247 | 76 | 65 | 987 | 106 | 187 | | 2,904 | 348 |
| February ... | 4 | 203 | 44 | 9 | 10 | 801 | 241 | 53 | 42 | 1,578 | 182 | 216 | | 3,049 | 330 |
| March ... | 5 | 166 | 33 | 7 | 4 | 555 | 155 | 26 | 23 | 2,557 | 181 | 275 | | 3,647 | 335 |
| April ... | 4 | 256 | 47 | 9 | 3 | 745 | 144 | 22 | 21 | 2,187 | 237 | 245 | | 3,616 | 300 |
| May ... | 4 | 292 | 42 | 8 | 5 | 1,272 | 203 | 29 | 45 | 2,071 | 181 | 220 | | 4,061 | 307 |
| June ... | 5 | 143 | 36 | 4 | 2 | 2,275 | 365 | 60 | 58 | 3,223 | 398 | 327 | | 6,440 | 451 |
| July ... | 4 | 58 | 29 | 3 | 6 | 1,619 | 293 | 38 | 59 | 2,731 | 188 | 278 | | 4,918 | 384 |
| August ... | 4 | 21 | 14 | ... | 4 | 787 | 151 | 22 | 26 | 1,411 | 110 | 111 | | 2,494 | 163 |
| September ... | 5 | 43 | 26 | 3 | 3 | 673 | 100 | 18 | 8 | 3,396 | 224 | 374 | | 4,462 | 406 |
| October ... | 4 | 23 | 9 | ... | 1 | 232 | 36 | 5 | 1 | 1,549 | 137 | 181 | | 1,086 | 188 |
| November ... | 4 | 9 | 4 | 2 | ... | 140 | 30 | 7 | 1 | 1,254 | 90 | 128 | | 1,527 | 138 |
| December ... | 5 | 57 | 17 | 1 | 3 | 316 | 70 | 9 | 6 | 2,219 | 276 | 245 | | 2,955 | 264 |
| Total ... | 52 | 1,595 | 340 | 58 | 49 | 10,616 | 2,035 | 365 | 355 | 25,163 | 2,310 | 2,787 | | 42,059 | 3,614 |

APPENDIX B.

Statement of arrivals from Madras and Negapatam during 1921, with their destinations.

| Territories. | ASSISTED PASSENGERS. | | | | | | | | | | OTHER IMMIGRANTS, i.e., ORDINARY PASSENGERS. | | | | | | GRAND TOTAL. | | | | | |
|-------------------------|------------------------|-----|---------|-----|--------------------------------------|-------|---------|-----|---------|--------|---|-----|---------|--------|---------|-------|--------------|-------|---------|-------|--|--|
| | INDEPENDENT LABOURERS. | | | | LABOURERS RECRUITED BY KANGANIES. | | | | | | TOTAL ASSISTED PASSENGERS. | | | | | | | | | | | |
| | Adults. | | Minors. | | Adults. | | Minors. | | Adults. | | Minors. | | Adults. | | Minors. | | Adults. | | Minors. | | | |
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | | |
| Straits Settlements. | 347 | 55 | 11 | 5 | 227 | 65 | 9 | 17 | | 574 | 120 | 20 | 22 | ... | ... | ... | 574 | 120 | 20 | 22 | | |
| | 23 | 1 | ... | ... | 870 | 129 | 26 | 20 | | 893 | 130 | 26 | 20 | ... | ... | ... | 893 | 130 | 26 | 20 | | |
| | 1 | ... | ... | ... | 4 | 2 | ... | ... | | 5 | 2 | ... | ... | ... | ... | 5 | 2 | ... | ... | ... | | |
| | 371 | 56 | 11 | 5 | 1,101 | 196 | 35 | 37 | | 1,472 | 252 | 46 | 42 | ... | ... | ... | 1,472 | 252 | 46 | 42 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Federated Malay States. | 691 | 155 | 29 | 21 | 1,623 | 397 | 101 | 88 | | 2,314 | 552 | 130 | 109 | ... | ... | ... | 2,314 | 552 | 130 | 109 | | |
| | 352 | 86 | 14 | 19 | 4,104 | 813 | 108 | 120 | | 4,456 | 899 | 122 | 139 | ... | ... | ... | 4,456 | 899 | 122 | 139 | | |
| | 58 | 21 | 1 | 1 | 1,607 | 288 | 55 | 53 | | 1,665 | 309 | 56 | 54 | ... | ... | ... | 1,665 | 309 | 56 | 54 | | |
| | ... | ... | ... | ... | 189 | 22 | 5 | 3 | | 189 | 22 | 5 | 3 | ... | ... | ... | 189 | 22 | 5 | 3 | | |
| | 1,101 | 262 | 44 | 41 | 7,523 | 1,520 | 269 | 264 | | 8,624 | 1,782 | 313 | 305 | ... | ... | ... | 8,624 | 1,782 | 313 | 305 | | |
| Other Malay States. | 39 | 7 | 1 | ... | 1,515 | 232 | 44 | 45 | | 1,554 | 239 | 45 | 45 | ... | ... | ... | 1,554 | 239 | 45 | 45 | | |
| | 84 | 15 | 2 | 3 | 425 | 76 | 17 | 8 | | 509 | 91 | 19 | 11 | ... | ... | ... | 509 | 91 | 19 | 11 | | |
| | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | ... | ... | ... | ... | 52 | 11 | ... | 1 | | 52 | 11 | ... | 1 | ... | ... | ... | 52 | 11 | ... | 1 | | |
| | 123 | 22 | 3 | 3 | 1,992 | 319 | 61 | 54 | | 2,115 | 341 | 64 | 57 | ... | ... | ... | 2,115 | 341 | 64 | 57 | | |
| Grand Total | 1,595 | 340 | 58 | 49 | 10,616 | 2,035 | 365 | 355 | | 12,211 | 2,375 | 423 | 404 | 25,163 | 2,310 | 2,090 | 37,374 | 4,685 | 2,513 | 1,101 | | |

APPENDIX C.

Statement of Departures from Penang for Southern India during 1921.

| MONTH. | | | Number of Steamers. | | | EMIGRANTS. | |
|-----------|-----|-----|---------------------|-----|-----|------------|---------|
| | | | | | | Adults. | Minors. |
| January | ... | ... | Four | ... | ... | 6,183 | 241 |
| February | ... | ... | Four | ... | ... | 5,547 | 244 |
| March | ... | ... | Four | ... | ... | 5,265 | 295 |
| April | ... | ... | Five | ... | ... | 6,175 | 265 |
| May | ... | ... | Four | ... | ... | 5,257 | 328 |
| June | ... | ... | Five | ... | ... | 4,492 | 285 |
| July | ... | ... | Four | ... | ... | 4,666 | 317 |
| August | ... | ... | Four | ... | ... | 4,154 | 326 |
| September | ... | ... | Four | ... | ... | 4,744 | 396 |
| October | ... | ... | Five | ... | ... | 4,322 | 425 |
| November | ... | ... | Five | ... | ... | 3,830 | 234 |
| December | ... | ... | Four | ... | ... | 3,277 | 283 |
| Total | | | Fifty-two | ... | ... | 57,912 | 3,639 |

Statistics of Labourers employed on Estates and in Public Departments in

| PLACE OF EMPLOYMENT. | INDIANS. | | | | | | | | | | CHINESE. | | | | | | | | | |
|---|-------------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|-------------------------------------|-------------------------------|-----------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|-------------------------------------|
| | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem- ber, 1921. | Number on 1st April, 1921. | Additions | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem- ber, 1921. |
| | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| <i>Singapore.</i> | | | | | | | | | | | | | | | | | | | | |
| Alexandra Brick- works ... | 109 | 4 | 40 | ... | 1 | 72 | 23 | 88 | 1.14 | 57 | 85 | ... | 32 | 2 | ... | ... | 50 | 80 | ... | 69 |
| Anamalai Chetty ... | 5 | ... | 3 | ... | ... | ... | 1 | 5 | ... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Alagappa Chetty ... | 6 | ... | ... | ... | ... | ... | 3 | 4 | ... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ayer Gumaroo ... | 5 | ... | ... | ... | ... | 2 | 1 | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Aik Cheong ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 | ... | ... | ... | ... | ... | ... | 10 | ... | 10 |
| Asiatic Petroleum Co. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 273 | ... | 49 | ... | ... | ... | ... | 96 | 257 | ... | 226 |
| Abdul Kader & Co. ... | 220 | ... | ... | ... | ... | ... | ... | 220 | ... | 220 | 150 | ... | ... | ... | ... | ... | ... | 150 | ... | 150 |
| Bukit Sembawang Rubber Co. ... | 185 | ... | 18 | ... | ... | ... | 41 | 151 | ... | 162 | 634 | ... | 20 | ... | ... | ... | 83 | 620 | ... | 571 |
| Bukit Timah Rubber Estate ... | 5 | ... | 14 | ... | ... | ... | 14 | 5 | ... | 5 | 46 | ... | ... | ... | ... | ... | 44 | 2 | ... | 2 |
| Bugis Rubber Works ... | 5 | ... | 14 | 22 | ... | ... | 7 | 27 | ... | 34 | 6 | ... | 14 | ... | ... | ... | 6 | 14 | ... | 14 |
| Bukit Panjang Rub- ber Estate ... | 60 | ... | 13 | ... | ... | ... | 8 | 67 | ... | 65 | 6 | ... | ... | ... | ... | ... | ... | 6 | ... | 6 |
| Brossard Mopin ... | 55 | ... | 6 | ... | ... | ... | 44 | 16 | ... | 17 | 3 | ... | 10 | ... | ... | ... | 6 | 4 | ... | 7 |
| Central Engine Works ... | 28 | ... | 11 | 1 | ... | ... | ... | 36 | ... | 40 | 147 | ... | 26 | ... | ... | ... | 13 | 164 | ... | 160 |
| Cable Depot, Eastern Extension Tele- graph Co. ... | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | 118 | ... | 3 | ... | ... | ... | 4 | 116 | ... | 117 |
| Fraser & Cumming... Firestone Tire & Rub- ber Co. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 46 | ... | ... | ... | ... | ... | 35 | 18 | ... | 11 |
| Grove ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 | ... | 92 | ... | ... | ... | 7 | 82 | ... | 113 |
| Ho Hong Portland Cement Works ... | 142 | ... | 14 | ... | ... | ... | 123 | 61 | ... | 33 | 238 | ... | 82 | ... | ... | ... | 88 | 249 | ... | 232 |
| Henlay, W. T. ... | ... | ... | 204 | ... | ... | ... | 50 | 159 | ... | 154 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kee San ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | ... | ... | ... | ... | ... | ... | 22 | ... | 22 |
| Loh Lai Seng ... | 2 | ... | ... | ... | ... | ... | 2 | ... | ... | ... | 5 | ... | 49 | ... | ... | ... | 22 | 26 | ... | 32 |
| Marsiling ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 75 | ... | 6 | ... | ... | ... | 21 | 58 | ... | 60 |
| Montgreenen ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | 1 | ... | ... | ... | 2 | 3 | ... | 3 |
| Mandai-Tekong ... | 3 | ... | 1 | ... | ... | ... | ... | 4 | ... | 4 | 2 | 5 | ... | ... | ... | ... | 1 | 5 | ... | 6 |
| Nisshim Rubber ... | 1 | ... | 3 | ... | ... | ... | 3 | ... | ... | 1 | 133 | ... | 132 | ... | ... | ... | 158 | 99 | ... | 107 |
| Nah Giap Seng ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | ... | ... | ... | ... | ... | ... | 7 | ... | 7 |
| Nederlandsche Gutta Percha ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 53 | ... | 9 | ... | ... | ... | 9 | 49 | ... | 53 |
| Oriental Telephone & Electric Co. ... | 23 | ... | 29 | ... | ... | ... | 16 | 37 | ... | 36 | 24 | ... | 16 | ... | ... | ... | 8 | 32 | ... | 32 |
| Ohero Rubber ... | 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Pasir Panjang Rubber ... | 75 | ... | 38 | ... | ... | ... | 57 | 49 | ... | 56 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Perseverance Rubber ... | 14 | ... | ... | ... | ... | ... | 14 | 7 | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... |
| Puloe Brani Smelting Works ... | 115 | ... | 57 | ... | 1 | ... | 73 | 86 | 1.16 | 98 | 307 | ... | 140 | ... | 4 | ... | 178 | 252 | 1.59 | 265 |
| Raman Chetty ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 1 | ... | ... | ... | 2 | 3 | ... | 2 |
| Ramasamy Naidoo ... | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Seng Boo Lim ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 49 | ... | 200 | ... | ... | ... | 139 | 76 | ... | 110 |
| Singapore United Rubber Plantations ... | 169 | ... | 21 | ... | ... | ... | 47 | 144 | ... | 143 | 88 | ... | 9 | ... | ... | ... | 37 | 61 | ... | 60 |
| Serangoon Rubber ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ... | ... | ... | ... | ... | ... | 6 | ... | 6 |
| Siglap Rubber & Coconut ... | 7 | ... | ... | ... | ... | ... | 4 | 3 | ... | 3 | 1 | ... | 1 | ... | ... | ... | 2 | 1 | ... | ... |
| Singapore Cold Storage ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 96 | ... | 5 | ... | ... | ... | 14 | 87 | ... | 87 |
| Singapore Electric Tramways ... | 145 | ... | 5 | ... | ... | ... | ... | 150 | ... | 150 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| <i>Carried forward</i> ... | 1,383 | 4 | 491 | 23 | 2 | 74 | 531 | 1,325 | 1.150 | 1,294 | 2,666 | 5 | 897 | 2 | 4 | ... | 1,026 | 2,560 | 1.156 | 2,540 |

| JAVANESE. | | | | | | | | | | OTHERS. | | | | | | | | | | |
|------------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|------------------------------------|-------------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|-------------------------------------|-------------------------|
| Number on 1st April, 1921 | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem- ber 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem- ber, 1921. | PLACE OF EMPLOYMENT. |
| | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| | | | | | | | | | | | | | | | | | | | | Singapore. |
| 61 | ... | 34 | ... | ... | 31 | 23 | 52 | ... | 41 | 2 | ... | 2 | ... | ... | ... | 1 | 3 | ... | 3 | Alexandra Brick- |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Works. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Anamalai Chetty. |
| 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | Alagappa Chetty. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Ayer Gumaroo. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 487 | ... | 28 | ... | ... | ... | 94 | 464 | ... | 421 | Aik Cheong. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Asiatic Petroleum Co. |
| 231 | ... | 111 | ... | ... | ... | 69 | 286 | ... | 273 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Abdul Kader & Co. |
| 15 | ... | 9 | ... | ... | ... | 5 | 18 | ... | 19 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bukit Sembawang |
| 54 | ... | 41 | 2 | ... | ... | 81 | 37 | ... | 16 | ... | ... | 23 | 6 | 1 | ... | 4 | 18 | 5'56 | 24 | Rubber Co. |
| 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bukit Timah Rubber |
| ... | ... | 2 | ... | ... | ... | 2 | ... | ... | 12 | ... | ... | ... | ... | ... | ... | 12 | ... | ... | ... | Estate. |
| 25 | ... | 7 | ... | ... | ... | 8 | 21 | ... | 24 | 16 | ... | ... | 2 | ... | ... | 7 | 12 | ... | 11 | Bugis Rubber Works. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bukit Panjang Rub- |
| 13 | ... | 1 | ... | ... | ... | ... | 14 | ... | 14 | 19 | ... | ... | ... | ... | ... | 2 | 18 | ... | 17 | ber Estate. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | ... | ... | ... | ... | 5 | ... | 5 | Brossard Mopin. |
| 36 | ... | 106 | ... | ... | ... | 41 | 74 | ... | 101 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Central Engine Works |
| 22 | ... | 1 | ... | ... | ... | 14 | 10 | ... | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Cable Depôt, Eastern |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Extension Tele- |
| 36 | ... | 4 | ... | ... | ... | 5 | 34 | ... | 35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | graph Co |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 | ... | 10 | ... | ... | ... | ... | ... | ... | ... | ... | Fraser & Cumming. |
| 3 | ... | ... | ... | ... | ... | 3 | 1 | ... | 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Firestone Tire & |
| 2 | ... | 17 | ... | ... | ... | 9 | 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Rubber Co. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Grove. |
| 173 | ... | 8 | ... | ... | ... | 32 | 164 | ... | 149 | 52 | ... | 20 | ... | ... | ... | 12 | 53 | ... | 60 | Ho Hong Portland |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 84 | ... | 96 | ... | 1 | ... | ... | 61 | 131 | 76 | 118 | Cement Works. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Henlay, W. T. |
| 49 | ... | ... | ... | ... | ... | 47 | 25 | ... | 2 | 9 | ... | 1 | ... | ... | ... | ... | 10 | ... | 10 | Kee San. |
| 196 | ... | 34 | ... | 2 | ... | 49 | 182 | 1'09 | 179 | 50 | ... | | | | | | | | | |

Statistics of Labourers employed on Estates and in Public Departments in

| PLACE OF EMPLOYMENT. | INDIANS. | | | | | | | | | | CHINESE. | | | | | | | | | |
|---------------------------------|----------------------------|------------|------------------|----------------------|-------------|--------------|--------------|---------------------|-----------------------|---------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|--------------|---------------------|-----------------------|--------------------------------|
| | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem-ber, 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem-ber 1921. |
| | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Re-covered | Deaths. | Desertions. | Discharged. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| <i>Brought forward ...</i> | 1,383 | 4 | 491 | 23 | 2 | 74 | 531 | 1,325 | 150 | 1,294 | 2,666 | 5 | 897 | 2 | 4 | ... | 1,026 | 2,560 | 156 | 2,540 |
| Swanson & Sehested | 109 | ... | 38 | ... | ... | ... | 31 | 109 | ... | 116 | 117 | ... | 68 | ... | ... | ... | 21 | 159 | ... | 164 |
| Seletar Rubber | 101 | ... | 6 | ... | 1 | ... | 78 | 69 | 1'45 | 28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Singapore Shipway & Engineering | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 450 | ... | 22 | ... | ... | ... | 266 | 382 | ... | 206 |
| Trafalgar Ltd. | ... | ... | 20 | ... | ... | ... | ... | 15 | ... | 20 | 3 | ... | ... | ... | ... | ... | ... | 3 | ... | 3 |
| Tampinis Cement Tile Works | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 33 | ... | 11 | ... | ... | ... | 9 | 40 | ... | 35 |
| Topham, Jones & Railton | 236 | ... | 239 | ... | ... | ... | 84 | 273 | ... | 391 | 595 | ... | 384 | ... | 10 | ... | 230 | 594 | 1'68 | 739 |
| Tan Kah Kee | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 950 | ... | 725 | ... | ... | ... | 162 | 1,301 | ... | 1,513 |
| Ulobri Rubber | 43 | ... | 30 | ... | ... | ... | 68 | 26 | ... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ulu Pandan (S'pore) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rubber | 12 | ... | 2 | 4 | ... | ... | 3 | 14 | ... | 15 | 27 | ... | 5 | ... | ... | ... | 24 | 7 | ... | 8 |
| United Engineers | 455 | ... | ... | ... | ... | ... | 267 | 319 | ... | 188 | 675 | ... | 217 | ... | ... | ... | 100 | 768 | ... | 792 |
| Veerappa Chetty | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| W. W. & Co. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 37 | ... | ... | ... | ... | 27 | ... | 39 |
| Ye Hoe Yuan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ... | ... | ... | ... | ... | ... | 6 | ... | 6 |
| Total (Singapore) ... | 2,339 | 4 | 826 | 27 | 3 | 74 | 1,062 | 2,150 | 140 | 2,057 | 5,525 | 5 | 2,366 | 2 | 14 | ... | 1,839 | 5,847 | 239 | 6,045 |
| <i>Penang.</i> | | | | | | | | | | | | | | | | | | | | |
| Balik Pulau | 26 | ... | 8 | ... | ... | 1 | 13 | 18 | ... | 20 | ... | ... | 56 | ... | ... | 6 | 20 | 7 | ... | 30 |
| Glugor | 39 | ... | 39 | ... | ... | ... | 12 | 61 | ... | 66 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sin Hong Huat | 13 | ... | 3 | ... | ... | ... | 2 | 13 | ... | 14 | 5 | ... | 1 | ... | ... | ... | ... | 5 | ... | 6 |
| Sungei Glugor | 21 | ... | 7 | ... | ... | ... | 5 | 21 | ... | 23 | 9 | ... | 5 | ... | ... | ... | 3 | 9 | ... | 11 |
| Sugei Nibong | 40 | ... | 19 | ... | ... | ... | 9 | 40 | ... | 50 | 14 | ... | 8 | ... | ... | ... | ... | 18 | ... | 22 |
| Total (Penang) ... | 139 | ... | 76 | ... | ... | 1 | 41 | 153 | ... | 173 | 28 | ... | 70 | ... | ... | 6 | 23 | 39 | ... | 69 |
| <i>Province Wellesley.</i> | | | | | | | | | | | | | | | | | | | | |
| Alma | 172 | ... | 169 | ... | 1 | 59 | 34 | 226 | 44 | 247 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bakap Plantations | 182 | 3 | 97 | 48 | 3 | 104 | 16 | 192 | 1'56 | 207 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Batu Kawan | 726 | 14 | 31 | ... | 4 | 135 | 133 | 617 | '65 | 499 | 30 | ... | 10 | ... | ... | ... | 12 | 32 | ... | 28 |
| Bertam | 2,301 | 159 | 943 | 33 | 25 | 744 | 626 | 2,196 | 1'14 | 2,041 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bukit Tambun | 118 | ... | 103 | ... | ... | 61 | 23 | 131 | ... | 137 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bukit Toh Alang | 128 | 2 | 66 | ... | 3 | ... | 42 | 141 | 2'13 | 151 | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | ... |
| Byram | 387 | ... | 60 | 41 | 1 | 34 | 91 | 360 | '28 | 362 | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| Caledonia | 553 | ... | 196 | ... | 13 | ... | 153 | 610 | 2'13 | 583 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Changkat | 425 | ... | 37 | ... | 2 | 26 | 121 | 360 | '56 | 313 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Gin Hong | 17 | ... | 2 | ... | ... | ... | 19 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Golden Grove | 242 | 2 | ... | 33 | ... | 56 | 55 | 183 | ... | 166 | 18 | ... | 12 | ... | ... | ... | 21 | 22 | ... | 9 |
| Jawi | 313 | 24 | 12 | 11 | 2 | 21 | 131 | 262 | '76 | 206 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Juru | 342 | ... | 7 | 4 | 1 | 31 | 33 | 312 | '32 | 288 | 3 | ... | 1 | ... | ... | ... | 2 | 3 | ... | 2 |
| Kampong Lima | 42 | ... | 35 | ... | ... | ... | 71 | 24 | ... | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Keat Hin | 17 | ... | 29 | ... | ... | 1 | 17 | 16 | ... | 28 | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Kebun Kechil | ... | ... | 146 | ... | ... | 116 | 25 | 11 | ... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Krian | 252 | ... | 8 | 9 | 1 | 1 | 50 | 239 | '42 | 217 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Krian (Kedah) | 72 | 2 | 85 | ... | ... | 9 | 45 | 90 | ... | 105 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lee Seng Coconut | 37 | ... | 5 | ... | ... | ... | 4 | 36 | ... | 38 | 4 | ... | 1 | ... | ... | ... | ... | 4 | ... | 5 |
| Malakoff | 613 | 1 | 23 | 6 | 2 | 141 | 47 | 528 | '38 | 453 | 1 | ... | 1 | ... | ... | ... | 2 | ... | ... | 2 |
| Carried forward ... | 6,939 | 207 | 2,054 | 185 | 58 | 1,539 | 1,736 | 6,538 | 887 | 6,052 | 58 | ... | 26 | ... | ... | ... | 37 | 64 | ... | 47 |

D.—Continued.

Singapore, Penang, Province Wellesley and the Dindings in 1921.—Continued.

| JAVANESE. | | | | | | | | | | OTHERS. | | | | | | | | | | PLACE OF EMPLOYMENT. | |
|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|--------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|---------------------------------|----------------------|---------------|
| Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem-ber 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem-ber, 1921. | | |
| | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | |
| 1,298 | ... | 470 | 2 | 2 | 31 | 509 | 1,253 | 160 | 1,228 | 748 | ... | 194 | 8 | 2 | ... | 210 | 784 | 26 | 738 | Brought forward. | |
| 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | Swanson & Sehested. | |
| 100 | ... | ... | ... | ... | ... | 100 | 63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Seletar Rubber, | |
| 4 | ... | ... | ... | ... | ... | ... | 4 | ... | 4 | 12 | ... | ... | ... | ... | ... | ... | 12 | ... | 12 | Singapore Shipway & | |
| 41 | ... | ... | ... | ... | ... | 22 | 26 | ... | 19 | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | Engineering. | |
| 2 | ... | 1 | ... | ... | ... | ... | 3 | ... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Trafalgar Ltd. | |
| 40 | ... | 66 | ... | ... | ... | 20 | 55 | ... | 86 | 63 | ... | 137 | ... | 1 | ... | 161 | 61 | 1.66 | 38 | Tampinis Cement Tile | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Works. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Topham, Jones & | |
| 13 | ... | 2 | ... | ... | ... | 8 | 8 | ... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Railton. | |
| 102 | ... | 117 | ... | ... | ... | 28 | 162 | ... | 191 | 17 | ... | 9 | ... | ... | ... | 3 | 19 | ... | 23 | Tan Kah Kee. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Ulobri Rubber. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Ulu Pandan (S'pore) | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Rubber. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | United Engineers. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Veerappa Chetty. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | W. W. & Co. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Ye Hoe Yuan. | |
| 1,602 | ... | 656 | 2 | 2 | 31 | 687 | 1,576 | 127 | 1,540 | 841 | ... | 341 | 8 | 3 | ... | 374 | 877 | 342 | 813 | Total. (Singapore) | |
| | | | | | | | | | | | | | | | | | | | | Penang. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... | ... | ... | 1 | 2 | ... | 7 | Balik Pulau. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Glugor. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | ... | 2 | 3 | ... | 3 | Sin Hong Huat. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | 2 | ... | 2 | Sungei Glugor. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 | ... | 98 | ... | ... | 3 | 55 | ... | 110 | Sungei Nibong. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | ... | 106 | ... | ... | ... | 6 | 62 | ... | 122 | Total (Penang) | |
| | | | | | | | | | | | | | | | | | | | | Province Wellesley. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Alma. | |
| 74 | ... | 4 | ... | ... | 14 | 5 | 64 | ... | 59 | 15 | ... | 16 | ... | ... | ... | 28 | 16 | ... | 3 | Bakap Plantations | |
| ... | ... | 233 | ... | ... | 31 | 23 | 91 | ... | 179 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Batu Kawan. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bertam. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bukit Tambun. | |
| 147 | ... | 8 | ... | 1 | 3 | 33 | 129 | 78 | 118 | 125 | ... | 131 | ... | ... | ... | 95 | 147 | ... | 161 | Bukit Toh Alang | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Byram. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | Caledonia. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Changkat. | |
| 180 | ... | 29 | ... | 2 | 25 | 25 | 168 | 1.19 | 157 | 6 | ... | 51 | ... | ... | ... | ... | 25 | ... | 51 | Gin Hong. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5 | ... | 3 | Golden Grove. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | 2 | ... | 4 | Jawi. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Juru. | |
| ... | ... | 36 | ... | ... | ... | 6 | 12 | ... | 30 | 14 | ... | ... | ... | ... | ... | 3 | 14 | ... | 16 | Kampong Lima | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | ... | 30 | ... | ... | ... | 29 | 38 | ... | 36 | Keat Hin. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 31 | ... | ... | ... | 28 | 17 | ... | 23 | Kebun Kechil. | |
| 35 | ... | 17 | ... | ... | 21 | 23 | 18 | ... | 8 | ... | ... | 33 | ... | ... | 12 | 21 | 5 | ... | ... | Krian. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 52 | ... | 18 | ... | ... | ... | 16 | 2 | ... | 2 | Krian (Kedah) | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... | 16 | ... | ... | ... | ... | 12 | ... | 24 | Lee Seng Coconut. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 17 | ... | 84 | ... | ... | 65 | ... | 34 | ... | 36 | Malakoff. | |
| 436 | ... | 327 | ... | 3 | 94 | 115 | 482 | 62 | 551 | 316 | ... | 414 | 5 | ... | 94 | 253 | 365 | ... | 388 | Carried forward | |

Statistics of Labourers employed on Estates and in Public Departments in

| PLACE OF EMPLOYMENT. | INDIANS. | | | | | | | | | | CHINESE. | | | | | | | | | |
|-------------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|--------------------|-----------------------|--------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|--------------------------------|
| | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population | Percentage of deaths. | Number on 31st December, 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st December, 1921. |
| | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | |
| 1 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| <i>Brought forward</i> | 6,939 | 207 | 2,054 | 185 | 58 | 1,539 | 1,736 | 6,538 | 887 | 6,052 | 58 | ... | 26 | ... | ... | ... | 37 | 64 | ... | 47 |
| Mayfield ... | 204 | ... | 112 | ... | 7 | ... | 61 | 232 | 3.02 | 248 | 40 | ... | ... | ... | ... | ... | 40 | 20 | ... | ... |
| Permatang Langat ... | 9 | ... | ... | ... | ... | ... | 3 | 7 | ... | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Prye Rubber & Coconut ... | 460 | ... | 1 | 28 | 2 | 90 | 55 | 408 | 49 | 342 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Prye (Township) ... | 65 | ... | ... | 35 | ... | 26 | ... | 65 | ... | 74 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sempah ... | 310 | ... | 80 | ... | 2 | 70 | 80 | 275 | 73 | 238 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Simpang ... | 210 | 7 | 94 | ... | 3 | ... | 75 | 235 | 1.28 | 233 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sungei Duri ... | 46 | 2 | 41 | 18 | 1 | 12 | 42 | 49 | 2.04 | 52 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sungei Kechil ... | 118 | ... | 15 | ... | 1 | 7 | 13 | 114 | 88 | 112 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Trans-Krian ... | 254 | 1 | 53 | 78 | 5 | 81 | 77 | 213 | 2.35 | 223 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Toh Kandang ... | 6 | ... | ... | ... | ... | ... | 6 | 2 | ... | ... | 10 | ... | ... | ... | ... | ... | 10 | 3 | ... | ... |
| Val d'or ... | 502 | ... | 101 | ... | ... | 168 | 15 | 472 | ... | 420 | 39 | ... | 21 | ... | ... | 1 | 39 | 21 | ... | 20 |
| Yorak ... | 44 | ... | 35 | 2 | 1 | ... | 23 | 46 | 2.17 | 57 | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Total (Province Wellesley) | 9,167 | 217 | 2,586 | 346 | 80 | 1,993 | 2,186 | 8,656 | 924 | 8,057 | 148 | ... | 47 | ... | ... | 1 | 127 | 108 | ... | 67 |
| <i>Dindings.</i> | | | | | | | | | | | | | | | | | | | | |
| Cashwood ... | 251 | 1 | 98 | 5 | ... | 65 | 143 | 192 | ... | 147 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Dindings Coconut ... | 352 | 2 | 39 | 1 | 1 | 9 | 44 | 345 | 29 | 340 | 16 | ... | 1 | ... | ... | ... | 7 | 12 | ... | 10 |
| Kampong Acheh ... | 36 | ... | 6 | ... | ... | ... | 7 | 36 | ... | 35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kramat ... | 221 | ... | 10 | ... | 1 | ... | 168 | 100 | 1.00 | 62 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Harcroft ... | 323 | 2 | ... | 8 | 2 | 17 | 10 | 311 | 64 | 304 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Pundut ... | 606 | ... | 29 | ... | 3 | 13 | 149 | 530 | 57 | 470 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sandycroft ... | 197 | ... | ... | ... | ... | 17 | 135 | 90 | ... | 45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Segari Rubber ... | 126 | 2 | 3 | ... | ... | 31 | 21 | 105 | ... | 79 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total (Dindings) | 2,112 | 7 | 185 | 14 | 7 | 152 | 677 | 1,709 | 410 | 1,482 | 16 | ... | 1 | ... | ... | ... | 7 | 12 | ... | 10 |
| GOVERNMENT DEPARTMENTS. | | | | | | | | | | | | | | | | | | | | |
| <i>Singapore</i> | | | | | | | | | | | | | | | | | | | | |
| Botanical Gardens ... | 48 | ... | 76 | ... | 1 | 12 | 22 | 83 | 1.20 | 89 | 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 |
| F. M. S. Railways ... | 283 | ... | 318 | ... | 2 | 1 | 452 | 283 | 1.37 | 146 | 538 | ... | 84 | ... | 4 | ... | 451 | 311 | 1.28 | 167 |
| Municipality ... | 3,527 | ... | 581 | ... | ... | ... | 73 | 3,954 | ... | 4,035 | 918 | ... | 10 | ... | ... | ... | 240 | 1,126 | ... | 688 |
| Public Works Department ... | 594 | ... | 52 | ... | ... | ... | 234 | 404 | ... | 412 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Port Health Officer... | 21 | ... | 66 | ... | ... | ... | 14 | 70 | ... | 73 | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| Survey Department... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Singapore Harbour Board | 1,989 | ... | 913 | ... | ... | ... | 816 | 2,199 | ... | 2,086 | 3,276 | 7 | 1,408 | ... | 1 | ... | 1,429 | 3,656 | 1.03 | 3,261 |
| Total (Singapore) | 6,463 | ... | 2,006 | ... | 3 | 13 | 1,612 | 6,993 | 1.043 | 6,841 | 4,735 | 7 | 1,502 | ... | 5 | ... | 2,120 | 5,096 | 1.098 | 4,119 |
| <i>Penang.</i> | | | | | | | | | | | | | | | | | | | | |
| Assistant Postmaster-General ... | 72 | ... | 45 | ... | 1 | ... | 36 | 72 | 1.39 | 80 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Chief Medical Officer | 43 | ... | 16 | ... | ... | ... | 17 | 43 | ... | 42 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| Dy. Colonial Engineer, P. W. D. ... | 298 | ... | 234 | 6 | 10 | 19 | 212 | 318 | 3.14 | 297 | 22 | ... | 19 | ... | ... | ... | 14 | 24 | ... | 27 |
| <i>Carried forward</i> ... | 413 | ... | 295 | 6 | 11 | 19 | 265 | 433 | 2.54 | 419 | 22 | ... | 20 | ... | ... | ... | 14 | 24 | ... | 28 |

| JAVANESE. | | | | | | | | | | OTHERS. | | | | | | | | | | PLACE OF EMPLOYMENT | |
|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|--------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|--------------------------------|-----|------------------------------------|--|
| Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st December, 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st December, 1921. | | | |
| Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | |
| 436 | ... | 327 | ... | 3 | 94 | 115 | 482 | 62 | 551 | 316 | ... | 414 | 5 | ... | 94 | 253 | 365 | ... | 388 | Brought forward. | |
| 117 | ... | ... | ... | 2 | ... | 39 | 95 | ... | 76 | 43 | ... | 56 | ... | ... | ... | 29 | 58 | ... | 70 | Mayfield. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Permantang Langat. | |
| 118 | ... | ... | 7 | 1 | 14 | 12 | 107 | 93 | 98 | 52 | ... | 4 | ... | ... | ... | 39 | 38 | ... | 17 | Prye Rubber & Coco | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 1 | ... | ... | ... | ... | 2 | ... | 3 | nut. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 | ... | 36 | ... | ... | 6 | 26 | 35 | ... | 29 | Prye (Township) | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Sempah. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Simpang. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Sungei Duri. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Sungei Kechil. | |
| 47 | ... | ... | 3 | 1 | 12 | 37 | 29 | 345 | ... | 3 | ... | ... | ... | ... | ... | 1 | 2 | ... | 2 | Trans-Krian. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | ... | ... | ... | ... | ... | 20 | 7 | ... | ... | Toh Kandang. | |
| 11 | ... | 16 | ... | ... | 25 | 2 | 8 | ... | ... | 3 | ... | 2 | ... | ... | 2 | 3 | 1 | ... | ... | Val d'or. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 90 | ... | ... | ... | 15 | 61 | ... | 78 | Yorak. | |
| 729 | ... | 343 | 10 | 7 | 145 | 205 | 721 | 971 | 725 | 467 | ... | 603 | 5 | ... | 102 | 386 | 569 | ... | 587 | Total (Province Wellesley) | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Dindings. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ... | 3 | ... | ... | ... | 1 | 7 | ... | 8 | Cashwood. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | 1 | ... | ... | 1 | Dindings Coconut. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Kampung Aceh. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Kramat. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Harcroft. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Pundut. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Sandycroft. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Segari Rubber. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | ... | 4 | ... | ... | ... | 2 | 7 | ... | 9 | Total (Dindings) | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | GOVERNMENT DEPARTMENTS. Singapore. | |
| 39 | ... | 53 | ... | ... | ... | 13 | 70 | ... | 79 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Botanical Gardens. | |
| 22 | ... | 4 | ... | ... | ... | 24 | 16 | ... | 2 | 16 | ... | ... | 8 | ... | ... | 7 | 12 | ... | 11 | F. M. S. Railways. | |
| 850 | 3 | 8 | ... | ... | ... | 153 | 776 | ... | 708 | 14 | ... | 31 | ... | ... | ... | 1 | 42 | | | | |

Statistics of Labourers employed on Estates and in Public Departments in

| PLACE OF EMPLOYMENT. | INDIANS. | | | | | | | | | | CHINESE. | | | | | | | | | |
|---|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|--------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|--------------------------------|
| | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st December, 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st December, 1921. |
| | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| <i>Brought forward ...</i> | 413 | ... | 295 | 6 | 11 | 19 | 265 | 433 | 2.54 | 419 | 22 | ... | 20 | ... | ... | ... | 14 | 24 | ... | 28 |
| Penang Harbour Board (Prye River Dock)... | 78 | ... | 54 | ... | ... | 12 | 15 | 81 | ... | 105 | 114 | ... | 41 | ... | ... | 31 | 31 | 99 | ... | 93 |
| Penang Harbour Board (Wharves)... | 137 | ... | 279 | ... | ... | 4 | 199 | 234 | ... | 213 | 21 | ... | 27 | ... | ... | ... | 19 | 28 | ... | 29 |
| Railway Construction | 584 | ... | 213 | ... | 11 | ... | 526 | 431 | 2.55 | 260 | 123 | ... | 102 | ... | 1 | ... | 121 | 143 | 70 | 103 |
| Rural Board | 20 | ... | ... | ... | ... | ... | ... | 20 | ... | 20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Survey Department | 20 | ... | 36 | ... | ... | ... | 23 | 29 | ... | 33 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Municipality | 1,985 | ... | 37 | 83 | ... | ... | 8 | 2,058 | ... | 2,097 | 221 | ... | 5 | ... | ... | ... | 5 | 220 | ... | 221 |
| Total (Penang) | 3,237 | ... | 914 | 89 | 22 | 35 | 1,036 | 3,286 | 670 | 3,147 | 501 | ... | 195 | ... | 1 | 31 | 190 | 514 | 195 | 474 |
| <i>Province Wellesley.</i> | | | | | | | | | | | | | | | | | | | | |
| Public Works Department ... | 583 | ... | 399 | 71 | 3 | 64 | 358 | 674 | 45 | 628 | 18 | ... | 16 | ... | ... | 1 | 14 | 19 | ... | 19 |
| Rural Board | 51 | ... | ... | ... | ... | ... | ... | 51 | ... | 51 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Railway Construction | 102 | ... | 243 | ... | 2 | 138 | 100 | 96 | 2.08 | 105 | 694 | ... | 199 | ... | ... | ... | 648 | 438 | ... | 245 |
| Total (Province Wellesley) | 736 | ... | 642 | 71 | 5 | 202 | 458 | 821 | 609 | 784 | 712 | ... | 215 | ... | ... | 1 | 662 | 457 | ... | 264 |
| <i>Dindings.</i> | | | | | | | | | | | | | | | | | | | | |
| Public Works Department ... | 157 | ... | 82 | ... | 2 | 25 | 45 | 164 | 1.22 | 167 | 1 | ... | 2 | ... | ... | ... | ... | 2 | ... | 3 |
| Total (Dindings) | 157 | ... | 82 | ... | 2 | 25 | 45 | 164 | 1.22 | 167 | 1 | ... | 2 | ... | ... | ... | ... | 2 | ... | 3 |
| <i>SUMMARY. Estates.</i> | | | | | | | | | | | | | | | | | | | | |
| Singapore | 2,339 | 4 | 826 | 27 | 3 | 74 | 1,062 | 2,150 | 140 | 2,057 | 5,525 | 5 | 2,366 | 2 | 14 | ... | 1,839 | 5,847 | 239 | 6,045 |
| Penang | 159 | ... | 76 | ... | ... | 1 | 41 | 153 | ... | 173 | 28 | ... | 70 | ... | ... | 6 | 23 | 39 | ... | 69 |
| Province Wellesley | 9,167 | 217 | 2,586 | 346 | 80 | 1,993 | 2,186 | 8,656 | 924 | 8,057 | 148 | ... | 47 | ... | ... | 1 | 127 | 108 | ... | 67 |
| Dindings | 2,112 | 7 | 165 | 14 | 7 | 152 | 677 | 1,709 | 410 | 1,482 | 16 | ... | 1 | ... | ... | ... | 7 | 12 | ... | 10 |
| GRAND TOTAL. | 13,777 | 228 | 3,653 | 387 | 90 | 2,220 | 3,966 | 12,668 | 710 | 11,769 | 5,717 | 5 | 2,484 | 2 | 14 | 7 | 1,996 | 6,006 | 233 | 6,191 |
| <i>GOVERNMENT DEPARTMENTS. Summary.</i> | | | | | | | | | | | | | | | | | | | | |
| Singapore | 6,463 | ... | 2,006 | ... | 3 | 13 | 1,612 | 6,993 | 043 | 6,841 | 4,735 | 7 | 1,502 | ... | 5 | ... | 2,120 | 5,096 | 098 | 4,119 |
| Penang | 3,237 | ... | 914 | 89 | 22 | 35 | 1,036 | 3,286 | 670 | 3,147 | 501 | ... | 195 | ... | 1 | 31 | 190 | 514 | 195 | 474 |
| Province Wellesley | 736 | ... | 642 | 71 | 5 | 202 | 458 | 821 | 609 | 784 | 712 | ... | 215 | ... | ... | 1 | 662 | 457 | ... | 264 |
| Dindings | 157 | ... | 82 | ... | 2 | 25 | 45 | 164 | 1.22 | 167 | 1 | ... | 2 | ... | ... | ... | ... | 2 | ... | 3 |
| GRAND TOTAL. | 10,593 | ... | 3,644 | 160 | 32 | 275 | 3,151 | 11,264 | 284 | 10,939 | 5,949 | 7 | 1,914 | ... | 6 | 32 | 2,972 | 6,069 | 099 | 4,860 |

'D.—Continued.

Singapore, Penang, Province Wellesley and the Dindings in 1921.—Continued.

| JAVANESE. | | | | | | | | | | OTHERS. | | | | | | | | | | PLACE OF EMPLOYMENT. | |
|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|---------------------------------|----------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|-----------------------|---------------------------------|---|--|
| Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem-ber, 1921. | Number on 1st April, 1921. | Additions. | | | Deductions. | | | Average population. | Percentage of deaths. | Number on 31st Decem-ber, 1921. | | |
| | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | |
| ... | ... | 1 | ... | ... | ... | 1 | ... | ... | ... | 15 | ... | 51 | ... | ... | ... | 27 | 30 | ... | 33 | Brought forward. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 | ... | 4 | ... | ... | ... | ... | 22 | ... | 25 | Penang Harbour Board (Prye River Dock). | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 125 | ... | ... | ... | 16 | 50 | ... | 109 | Penang Harbour Board (Wharves) | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 | ... | ... | ... | ... | ... | 8 | 12 | ... | 8 | Railway Construction | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Rural Board. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 23 | ... | 35 | ... | ... | ... | 41 | 18 | ... | 17 | Survey Department. | |
| 43 | ... | ... | ... | ... | ... | 1 | 42 | ... | 42 | 29 | ... | 1 | ... | ... | ... | ... | 29 | ... | 30 | Municipality. | |
| 43 | ... | 1 | ... | ... | ... | 2 | 42 | ... | 42 | 104 | ... | 216 | ... | ... | ... | 92 | 161 | ... | 222 | Total (Penang) | |
| | | | | | | | | | | | | | | | | | | | | Province Wellesley. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 129 | ... | 22 | 5 | 1 | ... | 60 | 116 | 86 | 95 | Public Works Depart-ment. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Rural Board. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 | ... | 69 | ... | ... | ... | 67 | 29 | ... | 23 | Railway Construction | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 | ... | 91 | 5 | 1 | ... | 127 | 145 | 690 | 118 | Total (Province Wellesley) | |
| | | | | | | | | | | | | | | | | | | | | Dindings. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | ... | 30 | ... | ... | ... | 17 | 20 | ... | 24 | Public Works Depart-ment. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | ... | 30 | ... | ... | ... | 17 | 20 | ... | 24 | Total (Dindings) | |
| | | | | | | | | | | | | | | | | | | | | SUMMARY. | |
| | | | | | | | | | | | | | | | | | | | | Estates. | |
| 1,602 | ... | 656 | 2 | 2 | 31 | 687 | 1,576 | 127 | 1,540 | 841 | ... | 341 | 8 | 3 | ... | 374 | 877 | 342 | 813 | Singapore. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | ... | 106 | ... | ... | ... | 6 | 62 | ... | 122 | Penang. | |
| 729 | ... | 343 | 10 | 7 | 145 | 205 | 721 | 971 | 725 | 467 | ... | 603 | 5 | ... | 102 | 386 | 569 | ... | 587 | Province Wellesley. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | ... | 4 | ... | ... | ... | 2 | 7 | ... | 9 | Dindings. | |
| 2,331 | ... | 999 | 12 | 9 | 176 | 892 | 2,297 | 391 | 2,265 | 1,337 | ... | 1,054 | 13 | 3 | 102 | 768 | 1,515 | 198 | 1,531 | GRAND TOTAL. | |
| | | | | | | | | | | | | | | | | | | | | GOVERNMENT DEPARTMENTS. | |
| | | | | | | | | | | | | | | | | | | | | Singapore. | |
| 1,091 | 3 | 146 | ... | ... | ... | 261 | 1,066 | ... | 979 | 251 | ... | 43 | 8 | ... | ... | 63 | 255 | ... | 243 | Singapore. | |
| 43 | ... | 1 | ... | ... | ... | 2 | 42 | ... | 42 | 104 | ... | 216 | ... | ... | ... | 92 | 161 | ... | 222 | Penang. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 | ... | 91 | 5 | 1 | ... | 127 | 145 | 690 | 118 | Province Wellesley | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | ... | 30 | ... | ... | ... | 17 | 20 | ... | 24 | Dindings. | |
| 1,134 | 3 | 147 | ... | ... | ... | 263 | 1,108 | ... | 1,021 | 516 | ... | 380 | 13 | 1 | ... | 299 | 581 | 172 | 607 | GRAND TOTAL. | |

APPENDIX E.

List of Tamil Schools on Estates in Province Wellesley at the end of 1921.

| Name of Estates. | Average attendance. | Remarks. |
|--|---------------------|-------------------------------|
| <i>Province Wellesley.</i> | | |
| Batu Kawan Estate | 34 | Recommended for Grant-in-aid. |
| Bertam Estate | 29 | |
| Byram Estate | 25 | |
| Caledonia Estate (St. Anthony's Roman Catholic School) | 24 | |
| Caledonia Estate | 21 | Do. |
| Changkat Estate | 14 | Do. |
| Jawi Estate | 33 | Do. |
| Krian Estate | 28 | Do. |
| Malakoff Estates | 22 | Do. |
| Mayfield Estates | 15 | Do. |
| Prye Estate | 21 | Do. |

Statistics of Labourers employed on Estates

| PLACE OF EMPLOYMENT. | INDIANS. | | | | | | | | | | CHINESE. | | | | | | | | | |
|---------------------------------|-------------------------------------|-----------|------------------|----------------------|-------------|-------------|-------------|---------------------|---------------------------|--|-------------------------------------|-----------|------------------|----------------------|-------------|-------------|-------------|---------------------|---------------------------|--|
| | Number employed on 1st April, 1921. | Additions | | | Deductions. | | | Average Population. | Percentage of Deaths p.a. | Number remaining on 31st December, 1921. | Number employed on 1st April, 1921. | Additions | | | Deductions. | | | Average Population. | Percentage of Deaths p.a. | Number remaining on 31st December, 1921. |
| | | Imported. | Engaged Locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged Locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Alor Gajah ... | 96 | 20 | 16 | ... | 8 | 7 | 20 | 96 | 11'11 | 97 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ayer Molek ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 38 | ... | 45 | ... | ... | ... | 35 | 47 | ... | 48 |
| Ayer Panas ... | 310 | 124 | 254 | 5 | 6 | 75 | 242 | 339 | 2'368 | 370 | 14 | ... | ... | ... | ... | ... | 11 | 6 | ... | 3 |
| Ayer Rajah ... | 51 | ... | 32 | ... | 1 | ... | 15 | 52 | 2'56 | 67 | 30 | ... | ... | ... | ... | ... | ... | 30 | ... | 30 |
| Ayer Salak ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 | ... | 13 | ... | ... | ... | 4 | 28 | ... | 33 |
| Batang Malaka ... | 282 | ... | 16 | 55 | 3 | 72 | 82 | 228 | 1'76 | 196 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Batu Berkarat ... | 94 | ... | 99 | 7 | 6 | 23 | 64 | 96 | 8'33 | 98 | ... | ... | 65 | ... | ... | ... | 59 | 20 | ... | 6 |
| Batulang ... | 233 | 12 | 178 | ... | 3 | 56 | 156 | 150 | 2'67 | 208 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bekoh ... | 89 | 3 | 22 | ... | 2 | 5 | 24 | 77 | 3'47 | 83 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bemban (Dunlop) ... | 77 | ... | 121 | ... | 2 | ... | 53 | 88 | 3'03 | 143 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bemban ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | ... | ... | ... | ... | ... | ... | 18 | ... | 18 |
| Beng Kong Seng ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 29 | ... | 1 | ... | ... | ... | ... | 30 | ... | 30 |
| Bertam ... | 333 | 14 | 183 | ... | 4 | 135 | 165 | 293 | 1'83 | 226 | 122 | ... | 44 | ... | ... | ... | 3 | 131 | ... | 163 |
| Bishop of Malacca ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 40 | ... | 2 | ... | ... | ... | 2 | 40 | ... | 40 |
| Bukit Asahan ... | 502 | 41 | 45 | ... | 3 | 74 | 311 | 358 | 1'12 | 200 | 95 | ... | 232 | ... | ... | 5 | 90 | 205 | ... | 232 |
| Bukit K. B. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | ... | 2 | ... | ... | ... | 2 | 18 | ... | 18 |
| Bukit Kajang ... | 688 | 48 | 276 | 6 | 11 | 332 | 304 | 474 | 3'09 | 371 | 241 | ... | 2 | ... | ... | ... | 183 | 107 | ... | 60 |
| Bukit Katil ... | 9 | ... | ... | ... | ... | ... | 5 | 5 | ... | 4 | ... | ... | 60 | ... | ... | ... | 19 | 24 | ... | 41 |
| Bukit Lintang ... | 166 | 9 | 14 | 4 | 3 | 13 | 15 | 167 | 2'40 | 162 | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| Chan Cheng Siew ... | 4 | ... | ... | ... | ... | ... | 2 | 3 | ... | 2 | 167 | ... | 22 | ... | ... | ... | 65 | 139 | ... | 124 |
| Chan Geok Kum ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 35 | ... | 4 | ... | ... | ... | 3 | 35 | ... | 36 |
| Chan Kang Swee ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 52 | ... | ... | ... | ... | ... | 34 | 29 | ... | 18 |
| Chempedak ... | 101 | ... | 21 | ... | ... | 4 | 8 | 106 | ... | 110 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Cheng ... | 191 | ... | 55 | 7 | 1 | 44 | 28 | 175 | 76 | 180 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Chi Sim Chong ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | ... | 10 | ... | ... | ... | ... | 17 | ... | 22 |
| Devon ... | 927 | 136 | 174 | 56 | 17 | 215 | 328 | 831 | 2'73 | 733 | 199 | ... | 152 | ... | ... | ... | 141 | 216 | ... | 210 |
| Diamond Jubilee ... | 944 | 60 | 173 | 18 | 13 | 83 | 425 | 801 | 2'16 | 674 | 66 | ... | 15 | ... | ... | ... | 51 | 40 | ... | 30 |
| Durian Tunggal ... | 228 | 3 | 29 | 4 | 1 | 18 | 217 | 129 | 1'04 | 28 | 1 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... |
| E. Kong Guan I ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9 | ... | 16 | ... | ... | ... | 10 | 15 | ... | 15 |
| E. Kong Guan II ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 49 | ... | 8 | ... | ... | ... | 24 | 33 | ... | 33 |
| E. Kong Guan III ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 | ... | 16 | ... | ... | ... | 12 | 18 | ... | 25 |
| Gadek ... | 272 | ... | 119 | ... | 4 | 128 | 85 | 228 | 2'33 | 174 | ... | ... | 32 | ... | ... | ... | 32 | 8 | ... | ... |
| Gadek (Chetty) ... | 170 | 22 | 289 | 22 | 5 | 211 | 86 | 198 | 3'37 | 201 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Garing ... | 259 | ... | 92 | 54 | 3 | 84 | 131 | 215 | 1'87 | 187 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Goh Soh Pin ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 125 | ... | 107 | ... | ... | ... | 109 | 107 | ... | 123 |
| Goodyear ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 | ... | 5 | ... | ... | ... | 21 | 14 | ... | ... |
| Investing Rubber ... | 4 | ... | ... | ... | ... | ... | 4 | 3 | ... | ... | 28 | ... | 16 | ... | ... | ... | 1 | 32 | ... | 43 |
| Jasin ... | 187 | 33 | 22 | 11 | 1 | 20 | 41 | 194 | 69 | 191 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Jasin Lallang ... | 238 | 25 | 530 | 3 | 10 | 235 | 176 | 356 | 3'75 | 375 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kelemak ... | 128 | ... | 164 | 1 | ... | 26 | 72 | 164 | ... | 195 | 84 | ... | 106 | ... | ... | 29 | 88 | 79 | ... | 73 |
| Kemendore ... | 151 | ... | 33 | ... | 1 | 10 | 77 | 119 | 1'12 | 96 | 185 | ... | 45 | ... | ... | 42 | 67 | 146 | ... | 121 |
| Kempas (Home) ... | 164 | ... | 86 | ... | 3 | 19 | 71 | 152 | 2'63 | 157 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kempas (Lubok China) ... | 97 | 11 | 46 | ... | ... | 33 | 40 | 84 | ... | 81 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kemuning ... | 150 | ... | 109 | ... | ... | 14 | 79 | 148 | ... | 166 | 166 | ... | 43 | ... | ... | ... | 44 | 168 | ... | 165 |
| Krubong ... | 123 | ... | 39 | 47 | 4 | 25 | 59 | 123 | 4'33 | 121 | ... | ... | 10 | ... | ... | ... | 6 | 1 | ... | 4 |
| Kru ... | 354 | 21 | 163 | ... | 3 | 115 | 130 | 334 | 1'20 | 290 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lee Thin ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... | 5 | ... | ... | ... | 4 | 10 | ... | 9 |
| Lendu ... | 230 | 6 | ... | ... | 3 | ... | 28 | 220 | 1'81 | 205 | 31 | ... | 1 | ... | ... | ... | 6 | 29 | ... | 26 |
| Leong Long Man ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 | ... | 9 | ... | ... | ... | ... | 32 | ... | 39 |
| Leong Tow Poon ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 144 | ... | 14 | ... | ... | ... | 26 | 131 | ... | 132 |
| Leong Watt Hin ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 | ... | 11 | ... | ... | ... | 5 | 33 | ... | 36 |
| Lim Kim Suah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 36 | ... | ... | ... | ... | ... | ... | 36 | ... | 36 |
| Lim Peh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 57 | ... | 8 | ... | ... | ... | ... | 60 | ... | 65 |
| Malacca Pinda (Home) ... | 1 | ... | 28 | ... | ... | ... | 28 | 1 | ... | 1 | 84 | ... | 55 | ... | ... | ... | 52 | 97 | ... | 87 |
| Malacca Pinda (Division II) ... | 25 | ... | 2 | ... | 2 | ... | 15 | 14 | 19'05 | 10 | 41 | ... | 46 | ... | ... | ... | 50 | 38 | ... | 37 |
| Melekek ... | ... | ... | 2 | ... | ... | ... | ... | 1 | ... | 2 | 338 | ... | 81 | ... | ... | ... | 139 | 287 | ... | 280 |
| Merlimau ... | 776 | 128 | 63 | 433 | 17 | 241 | 249 | 867 | 2'67 | 893 | 10 | ... | ... | ... | ... | ... | 2 | 9 | ... | 8 |
| Carried forward ... | 8,654 | 716 | 3,495 | 733 | 140 | 2,317 | 3,835 | 7,889 | 2'37 | 7,297 | 2,694 | ... | 1,303 | ... | ... | 76 | 1,401 | 2,565 | ... | 2,520 |

DIX F.

and in Public Departments in Malacca in 1921.

| JAVANESE. | | | | | | | | | | OTHERS. | | | | | | | | | | PLACE OF EMPLOYMENT. |
|-------------------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|---------------------------|--|-------------------------------------|------------|------------------|----------------------|-------------|-------------|-------------|---------------------|---------------------------|--|-----------------------------|
| Number employed on 1st April, 1921. | Additions. | | | Deductions. | | | Average Population. | Percentage of Deaths p.a. | Number remaining on 31st December, 1921. | Number employed on 1st April, 1921. | Additions. | | | Deductions. | | | Average Population. | Percentage of Deaths p.a. | Number remaining on 31st December, 1921. | |
| | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Alor Gajah |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 | ... | 32 | ... | ... | ... | 12 | 30 | ... | 44 | Ayer Molek |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ... | 7 | ... | ... | 3 | 8 | 4 | ... | 2 | Ayer Panas |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Ayer Rajah |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | ... | 2 | ... | 5 | Ayer Salak |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Batang Malaka |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | ... | ... | ... | 7 | 3 | ... | ... | Batu Berkarat |
| ... | ... | 12 | ... | ... | ... | 12 | 3 | ... | ... | 3 | ... | 20 | ... | ... | ... | 6 | 5 | ... | 17 | Batulang |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bekoh |
| ... | ... | 63 | ... | ... | ... | 62 | 30 | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | 1 | Bemban (Dunlop) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bemban |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Beng Kong Seng |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 38 | ... | 24 | ... | ... | ... | 31 | 43 | ... | 31 | Bertam |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | 2 | ... | ... | ... | ... | 6 | ... | 7 | Bishop of Malacca |
| 121 | ... | 116 | ... | ... | 21 | 168 | 96 | ... | 48 | 21 | ... | 23 | ... | ... | ... | 20 | 13 | ... | 24 | Bukit Asahan |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | 4 | ... | 4 | Bukit K. B. |
| 113 | ... | 47 | ... | 2 | 30 | 63 | 82 | 3.25 | 65 | 10 | ... | ... | ... | ... | ... | 4 | 8 | ... | 6 | Bukit Kajang |
| ... | ... | 4 | ... | ... | ... | 4 | 1 | ... | ... | ... | ... | 12 | ... | ... | ... | 5 | 4 | ... | 7 | Bukit Katil |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | 1 | ... | ... | ... | 2 | 3 | ... | 3 | Bukit Lintang |
| 1 | ... | 5 | ... | ... | ... | ... | 4 | ... | 6 | 78 | ... | ... | ... | ... | ... | 30 | 63 | ... | 48 | Chan Cheng Siew |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | 1 | Chan Geok Kum |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Chan Kang Swee |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 3 | ... | ... | ... | 4 | 1 | ... | 1 | Champedak |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Cheng |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Chi Sim Chong |
| 73 | ... | 34 | ... | ... | ... | 107 | 18 | ... | ... | ... | ... | 17 | ... | ... | ... | 6 | 7 | ... | 11 | Devon |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Diamond Jubilee |
| 6 | ... | 2 | ... | ... | ... | ... | 7 | ... | 8 | 22 | ... | 62 | ... | ... | ... | 42 | 16 | ... | 25 | Durian Tunggal |
| 5 | ... | 5 | ... | ... | ... | ... | ... | ... | 5 | 17 | ... | 4 | ... | ... | ... | 26 | 11 | ... | ... | E. Kong Guan I |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | ... | 22 | ... | ... | ... | 14 | 23 | ... | 25 | E. Kong Guan II |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... | ... | ... | ... | 25 | ... | 30 | E. Kong Guan III |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Gadek |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 8 | ... | 7 | Gadek Chetty) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Garing |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Goh Soh Pin |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Goodyear |
| ... | ... | 2 | ... | ... | ... | ... | 1 | ... | 2 | 16 | ... | ... | ... | ... | ... | 4 | 14 | ... | 12 | Investing Rubber |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Jasin |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 1 | ... | ... | ... | ... | 3 | ... | 4 | Jasin Lallang |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Kelemak |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 | ... | 42 | ... | ... | ... | 46 | 23 | ... | 24 | Kemendore |
| 1 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | Kempas (Home) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Kempas (Luboh China) |
| 3 | ... | 20 | ... | ... | ... | 14 | 8 | ... | 9 | 5 | ... | ... | ... | ... | ... | 2 | 4 | ... | 3 | Kemuning |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Krubong |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | ... | ... | ... | ... | ... | 3 | ... | 3 | Kru |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | Lee Thin |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Lendu |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Leong Long Mar |
| 12 | ... | ... | ... | ... | ... | 4 | 10 | ... | 8 | 58 | ... | 25 | ... | ... | ... | 24 | 55 | ... | 59 | Leong Tow Poon |
| 8 | ... | ... | ... | ... | ... | ... | 8 | ... | 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Leong Watt Hin |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 | ... | ... | ... | ... | ... | 2 | 15 | ... | 13 | Lim Kim Suah |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Lim Peh |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 | ... | 36 | ... | ... | 13 | 19 | 19 | ... | 14 | Malacca Pinda |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | (Home) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | ... | 30 | ... | ... | ... | 34 | 7 | ... | 8 | Malacca Pinda (Division II) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 | ... | ... | ... | ... | ... | 10 | 8 | ... | ... | Melekek |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 1 | ... | ... | ... | ... | 4 | ... | 4 | Merlimau |
| 341 | ... | 310 | ... | 2 | 51 | 440 | 272 | 98 | 160 | 434 | ... | 386 | ... | ... | 16 | 361 | 438 | ... | 443 | Carried forward |

APPENDIX

Statistics of Labourers employed on Estates.

| PLACE OF EMPLOYMENT. | INDIANS. | | | | | | | | | | CHINESE. | | | | | | | | | |
|-----------------------------------|-------------------------------------|------------|------------------|----------------------|-------------|--------------|--------------|---------------------|---------------------------|--|-------------------------------------|------------|------------------|----------------------|-------------|-------------|--------------|---------------------|---------------------------|--|
| | Number employed on 1st April, 1921. | Additions. | | | Deductions. | | | Average Population. | Percentage of Deaths p.a. | Number remaining on 31st December, 1921. | Number employed on 1st April, 1921. | Additions. | | | Deductions. | | | Average Population. | Percentage of Deaths p.a. | Number remaining on 31st December, 1921. |
| | | Imported. | Engaged locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | | | Imported. | Engaged Locally. | Deserters Recovered. | Deaths. | Desertions. | Discharged. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| <i>Brought forward ...</i> | 8,654 | 716 | 3,495 | 733 | 140 | 2,317 | 3,835 | 7,889 | 2'37 | 7,297 | 2,694 | ... | 1,303 | ... | ... | 76 | 1,401 | 2,565 | ... | 2,520 |
| Mohamed bin Haji | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | ... | 27 | ... | ... | ... | 31 | 16 | ... | 14 |
| A. Raman | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 48 | ... | 9 | ... | ... | 4 | 11 | 47 | ... | 42 |
| Nyalas ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 45 | ... | 25 | ... | ... | ... | ... | 58 | ... | 70 |
| Ong Hin Tiong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 69 | ... | 5 | ... | ... | ... | 31 | 59 | ... | 43 |
| Ong Hing Hong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 63 | ... | 59 | ... | ... | ... | 70 | 54 | ... | 52 |
| P. V. Raman Chetty | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 218 | ... | ... | ... | 148 | 82 | ... | 70 |
| Pegoh (Home) | 461 | 31 | 394 | 23 | 10 | 255 | 201 | 465 | 2'87 | 443 | ... | ... | 45 | ... | ... | ... | ... | 11 | ... | 45 |
| Pegoh (Rembia) | 83 | ... | 173 | 15 | 1 | 78 | 37 | 132 | 1'01 | 155 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Peralta ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | ... | ... | 2 | 3 | ... | 3 |
| Permata | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 8 | ... | ... | ... | 2 | 5 | ... | 8 |
| Punchor | 14 | ... | 41 | ... | ... | 26 | 18 | 20 | ... | 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Punggor | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 27 | ... | 35 | ... | ... | ... | 42 | 25 | ... | 20 |
| Radella ... | 63 | 22 | 94 | ... | ... | 57 | 46 | 69 | ... | 76 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rembia ... | 412 | 45 | 181 | ... | 2 | 151 | 231 | 320 | 84 | 254 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rim ... | 456 | 50 | 12 | 4 | 6 | 61 | 93 | 413 | 1'93 | 362 | 72 | ... | 25 | ... | ... | ... | 87 | 24 | ... | 10 |
| Serkam ... | 230 | ... | 106 | ... | 5 | ... | 80 | 233 | 2'87 | 251 | 44 | ... | 14 | ... | ... | ... | 15 | 47 | ... | 43 |
| Sit Keng Seck | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | ... | 25 | ... | ... | ... | 32 | 4 | ... | 4 |
| Sungei Bahru | 339 | 3 | ... | 13 | 2 | 29 | 116 | 270 | 99 | 208 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tampalak (Pengkalan Balak) | 1 | ... | 17 | ... | ... | ... | 9 | 3 | ... | 9 | 25 | ... | 35 | ... | ... | ... | 32 | 26 | ... | 28 |
| Tambalah (Tampoi) | 4 | ... | 79 | ... | ... | 29 | 32 | 14 | ... | 22 | 24 | ... | 10 | ... | ... | ... | 26 | 12 | ... | 8 |
| Tampin | 45 | ... | 40 | ... | ... | 9 | 76 | 33 | ... | ... | 3 | ... | 3 | ... | ... | ... | 6 | 3 | ... | ... |
| Tan Chay Yan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 66 | ... | 1 | ... | ... | ... | 7 | 64 | ... | 60 |
| Tan Cheng Lock | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | ... | 2 | ... | ... | ... | 13 | 17 | ... | 11 |
| Tan Cheng Tiong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | 11 | ... | ... | ... | ... | 11 | ... | 16 |
| Tan Chi Eng | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 44 | ... | 4 | ... | ... | ... | 2 | 47 | ... | 46 |
| Tan Chi Eng (Kongsi) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 | ... | ... | ... | ... | ... | 2 | 23 | ... | 22 |
| Tan Jiak Choo | ... | ... | 8 | ... | ... | ... | ... | 3 | ... | 8 | 101 | ... | 111 | ... | 1 | ... | 67 | 124 | 1'08 | 144 |
| Tan Kim Koh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 36 | ... | ... | ... | ... | ... | 2 | 36 | ... | 34 |
| Tan Kim Wee | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60 | ... | 30 | ... | ... | ... | 10 | 66 | ... | 80 |
| Tan Koon Hong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... | 72 | 10 | ... | 10 | ... | 39 | ... | 80 |
| Tan Seck | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 41 | ... | 54 | ... | ... | ... | 30 | 61 | ... | 65 |
| Tan Yok Mok | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 40 | ... | 7 | ... | ... | ... | 7 | 42 | ... | 40 |
| Tangga Batu | 11 | ... | ... | ... | ... | ... | 11 | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tan Siew Eng | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | ... | 10 | ... | ... | ... | ... | 15 | ... | 22 |
| Tebolang | 387 | 14 | 199 | 3 | 4 | 91 | 272 | 238 | 2'24 | 236 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tebong ... | 557 | 2 | 546 | ... | 17 | 284 | 338 | 535 | 4'24 | 466 | 15 | ... | ... | ... | ... | ... | 12 | 6 | ... | 3 |
| Teh Gi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 | ... | 5 | ... | ... | ... | 10 | 24 | ... | 20 |
| Union ... | 154 | ... | 71 | 1 | ... | 25 | 98 | 112 | ... | 103 | 3 | ... | 25 | ... | ... | ... | 28 | 1 | ... | ... |
| United Malacca | 24 | ... | 34 | ... | ... | ... | 28 | 27 | ... | 30 | 8 | ... | 23 | ... | ... | ... | 22 | 15 | ... | 9 |
| Wee Yap Chin (Chaban) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 35 | ... | 17 | ... | ... | ... | 22 | 31 | ... | 30 |
| Wee Yap Chin (Lendu) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | ... | 20 | ... | ... | ... | 25 | 16 | ... | 15 |
| Yong Kee Shian | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 70 | ... | 3 | ... | ... | ... | 3 | 69 | ... | 70 |
| TOTAL ... | 11,895 | 883 | 5,490 | 792 | 187 | 3,412 | 5,521 | 10,781 | 2'31 | 9,931 | 3,785 | ... | 2,241 | 10 | 1 | 90 | 2,198 | 3,748 | 1'04 | 3,747 |
| <i>Public Departments.</i> | | | | | | | | | | | | | | | | | | | | |
| District Engineer, Seremban | 138 | ... | 55 | ... | 1 | 22 | 44 | 122 | 1'09 | 126 | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| Loco Superintendent, Kuala Lumpur | 6 | ... | 1 | 1 | ... | 1 | ... | 7 | ... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Traffic Manager, Kuala Lumpur | 15 | ... | 4 | ... | 1 | 1 | 3 | 14 | 10'19 | 14 | 3 | ... | 15 | ... | ... | ... | ... | 7 | ... | 18 |
| Rev. Surveys | 24 | ... | 23 | ... | ... | ... | 44 | 9 | ... | 3 | ... | ... | 2 | ... | ... | ... | 2 | 1 | ... | ... |
| Municipal Engineer | 298 | ... | ... | ... | ... | ... | 49 | 268 | ... | 249 | 54 | ... | 2 | ... | ... | ... | ... | 55 | ... | 56 |
| Executive Engineer | 565 | ... | 61 | ... | 3 | 56 | 226 | 396 | 1'01 | 341 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL ... | 1,046 | ... | 144 | 1 | 5 | 80 | 366 | 816 | 1'81 | 740 | 58 | ... | 19 | ... | ... | ... | 2 | 64 | ... | 75 |

TAN TOCK SENG'S HOSPITAL.

COMMITTEE OF MANAGEMENT.

| | |
|-------------------------------------|----------------------|
| The Hon'ble the Colonial Secretary. | Tan Boo Liat, Esq. |
| „ Principal Civil Medical Officer. | Yau Ngan Pan, Esq. |
| „ Inspector-General of Police. | Lee Pang Seng, Esq. |
| „ Protector of Chinese. | Liau Chia Heng, Esq. |
| „ Under Secretary. | Koh San Hin, Esq. |

Tan Kwee Wah, Esq.

1. The Hospital was regularly visited by the members of Committee of Management.

2. Dr. W. A. TAYLOR was in charge of the Hospital from 12th March, 1920 to 15th February, 1921. Dr. V. B. KYLE succeeded Dr. TAYLOR on 21st March, 1921, and remained in charge to end of the year. Dr. A. L. MURISON acted as Surgeon from 18th December, 1920 to 31st July, 1921. Dr. K. BLACK succeeded Dr. MURISON on 2nd August, 1921.

3. The average daily number of patients during the first half and second half of the year was 687.78 and 719.82, respectively, as against 643.75 and 600.54 for the corresponding periods during the previous year.

4. The number of patients who stayed in Hospital for a period of 3 months or longer was 229. Of these 39 were in the Blind Ward, 29 in the Tubercular Ward, 43 in the Chronic Nervous Disease Ward, and 118 distributed in the other Wards.

5. The following donations were received during the year :—

| | \$ c. |
|---|--------|
| From H. I. H. the Crown Prince of Japan ... | 500 00 |
| „ Manager, Mengkibol (Central) Johore | |
| Rubber Company, Limited ... | 6 00 |

6. The statement of receipts and expenditure attached to the report, duly audited, shows receipts \$185,843.83 and expenditure \$192,859.00 as compared with \$164,724.51 receipts and \$159,912.06 expenditure in the previous year. The provision of \$150,000 in the Colonial Estimates having proved insufficient owing to increased number of patients, etc., a further sum of \$28,000 was applied for and granted.

By Order of the Committee,

T. W. STUBBS,
Secretary.

SINGAPORE, *October*, 1922. [No. 8110-22.]

STATEMENT OF RECEIPTS AND PAYMENTS OF THE TAN TOCK SENG'S HOSPITAL FOR THE YEAR 1921.

TAN TOCK SENG'S HOSPITAL.

ABSTRACT OF ACCOUNT FOR THE YEAR 1921.

| RECEIPTS. | AMOUNT. | TOTAL. | PAYMENTS. | AMOUNT. | TOTAL. |
|--|---------|------------|---|---------|------------|
| | \$ c. | \$ c. | | \$ c. | \$ c. |
| To BALANCE, 1st January ... | ... | 9,041 49 | By SALARY OF SECRETARY... | ... | ... |
| " GOVERNMENT CONTRIBUTION ... | ... | 177,847 48 | | ... | 840 00 |
| " DONATIONS:— | | | " HOSPITAL EXPENSES:— | | |
| H. I. H. the Crown Prince of Japan | ... | 500 00 | Attendants and Cooking | ... | 32,946 54 |
| Manager, Mengkilbol (Central) Johore Rubber Co., Limited | ... | 6 00 | Clothing for Patients and Servants | ... | 677 25 |
| " SUBSCRIPTIONS from 12 Members ... | ... | ... | Coffins ... | ... | 2,334 10 |
| " RENTS:— | | | Contingent Expenses | ... | 15,013 31 |
| SHEU Ali's Land ... | ... | 1,231 50 | Diets and Medical Comforts | ... | 100,209 17 |
| Rochore Property .. | ... | 2,400 00 | Fuel and Lighting ... | ... | 18,215 83 |
| " INTEREST:— | | | Furniture | ... | 3,785 14 |
| On Investments ... | ... | 2,604 83 | Medicines | ... | 1,847 97 |
| On Fixed Deposits... | ... | 51 85 | Medical Books and Surgical Apparatus | ... | 801 10 |
| On Current Account | ... | 161 93 | Temporary Allowances | ... | 4,391 65 |
| " REIMBURSEMENTS:— | | | Water ... | ... | 3,700 40 |
| Maintenance of Lepers | ... | ... | | | 190,012 46 |
| Do. Patients | ... | ... | " SPECIAL EXPENSES:— | | |
| Sale of Milk Cases | ... | ... | Chenghai Planks ... | ... | 1,321 34 |
| Sale of Empty Kerosene Oil and Milk Tins | ... | ... | One Bullock Cart ... | ... | 190 00 |
| Sale of Gunny Bags | ... | ... | Comforts for Japanese patients:— | \$ c. | |
| " REFUND OF ADVANCE:— | | | Mosquito nets | 98 00 | |
| | | | Pillow cases and bed sheets | 231 00 | |
| | | | Teak screens, tables and rattan chairs | 166 20 | |
| | | | | 495 20 | 2,006 54 |
| | | | " ADVANCE to Medical Officer for Petty Expenses | ... | 100 00 |
| | | | " BALANCE, 31st December | ... | 2,026 32 |
| Total ... | | 194,985 32 | Total ... | | 194,985 32 |

Examined and found correct.

C. H. G. CLARKE,

Acting Auditor-General, S. S.

2nd October, 1922.

T. W. STUBBS,

Secretary, Tan Tock Seng's Hospital

TAN TOCK SENG'S HOSPITAL.

BALANCE SHEET.

31st December, 1921.

| LIABILITIES. | AMOUNT. | TOTAL. | ASSETS. | AMOUNT. | TOTAL. |
|----------------------|---------|-----------|--|-----------|-----------|
| Nil. | \$... | \$... | By INVESTMENTS:— | | |
| To Balance at credit | ... | 57,796 72 | Singapore Municipal Bonds, 5 per cent ... | 30,000 00 | |
| | ... | ... | Penang Municipal Bonds, 5 per cent ... | 5,000 00 | |
| | ... | ... | Loan on Mortgage, 7 per cent ... | 7,000 00 | |
| | | | Government of India Loan Notes for Rs. 4,700 at 3½ per cent (in the hands of the Accountant-General) | 1,975 40 | |
| | | | Straits Settlements 5½ per cent War Loan | 8,000 00 | |
| | | | Mr. TAY GUAN KIAT's Donation | 800 00 | |
| | | | " " Mr. TAN LIAN CHENG's Donation | 500 00 | |
| | | | Straits Settlements and Federated Malay States 5 per cent Victory Loan | 1,000 00 | 54,275 40 |
| | | | " Fixed Deposits with the Hongkong and Shanghai Bank:— | | |
| | | | Mr. ONG KIM WEE's Donation (Balance of Donation for the Blind Ward) | 1,145 00 | |
| | | | Mr. TAY GUAN KIAT's Donation | 200 00 | |
| | | | Back-lane Compensation | 150 00 | |
| | | | CASH BALANCE | 1,495 00 | |
| Total ... | ... | 57,796 72 | Total ... | 2,026 32 | 57,796 72 |

Examined and found correct.

C. H. G. CLARKE,
Acting Auditor-General, S. S.
2nd October, 1922.

THE INVESTMENTS INCLUDE THE FOLLOWING DONATIONS OF \$1,000 AND UPWARDS:—

| | \$ | c. | | \$ | c. |
|--|-----|----------|------------------------------|-----|----------|
| Mr. TIO TIAN SIET | ... | 5,000 00 | The Siam Guild Association | ... | 1,000 00 |
| " TIO YIAU HIAM, Captain China of Deli | ... | 5,000 00 | Towkay LOKE YEW | ... | 1,000 00 |
| " LEE CHENG YAN | ... | 3,000 00 | Mr. TAN JIAK CHUAN's Bequest | ... | 1,000 00 |
| The Opium and Spirit Farm, 1901-1903 | ... | 3,000 00 | Mr. LIAU CHIA HENG | ... | 2,000 00 |
| Mr. YAU NGAN PAN | ... | 2,500 00 | Mr. LEE CHOON GUAN | ... | 3,000 00 |
| Messrs. KIM SENG & Co. | ... | 1,000 00 | Mr. ONG SIEW KIAM | ... | 1,000 00 |
| Messrs. TING TJAM & Co. | ... | 1,000 00 | Mr. TAN KWEE WAH | ... | 1,000 00 |

T. W. STUBBS,
Secretary, Tan Tock Seng's Hospital.

GOVERNMENT MONOPOLIES DEPARTMENT.

The opium supplies obtained during the year consisted of 3,000 chests of Benares opium purchased direct from the Government of India. Purchase of Opium.

2. The total imports of raw opium into Singapore numbered 3,058 chests, as against 3,889 chests in the preceding year.

3. Three thousand one hundred chests of Indian and one chest of Persian opium were transhipped.

4. Exports amounted to only 114 chests as against 356 chests in 1920.

5. During the year 3,170 chests of opium were cooked at the Factory, as against 4,160 chests cooked in 1920. The chandu obtained therefrom weighed 3,339,074.7 tahils. In addition, 10,441.8 tahils of chandu were recovered from seizures. Factory Return.

6. The retail price of chandu in Labuan was raised from \$8.50 to \$9.50 a tahl, with effect from the 24th of May. In the other Settlements there was no change. Retail price of chandu.

7. The amount of chandu sold in the Colony (excluding Christmas Island) during the year was 1,511,421.9.8 tahils and the cash receipts from the sales were \$18,108,956.76. The corresponding figures for 1920 were 1,810,163.6.2 tahils and \$21,680,878.44: there was therefore a decrease in consumption of over 16 per cent, a natural concomitant of the depressed condition of trade. Chandu sales in the Colony.

8. The total quantity of bulk and packed chandu shipped from Singapore and Penang to the Federated and Unfederated Malay States and to Christmas Island during the year was 1,521,017.75 tahils. Chandu shipments.

9. The duties on liquors were increased by 50 per cent on the 9th of August. Receipts increased appreciably after the rise, but a certain falling off in consumption is indicated by the figures, and except in the Settlement of Singapore the effect of the increased tariff during the 4½ months in which it was in force was not sufficient to counterbalance the falling off of revenue during the whole year resulting from the general trade depression. The total liquors revenue for the year was \$3,229,461.56 as against \$3,413,899.27 in 1920. Liquor Revenue.

10. A new scale of Tobacco duties for Singapore, Penang and Malacca was introduced on 9th August. The tax on unmanufactured and "native" tobacco had hitherto been unduly small and the scale of duties was made more equitable by doubling the tax on tobacco classed under this head, while the duties on cigars and snuff were increased by 50 per cent and on cigarettes and other tobacco not included in either of the foregoing classes by 33⅓ per cent. A satisfactory increase in revenue resulted. Tobacco Duties.

In Labuan, which has a tariff of its own, the rates of duty were doubled on the same date—the 9th of August. It is quite remarkable how near the receipts in this Settlement during the four months after the change are to being exactly double those in the four months preceding it, the figures being \$2,445.69 as against \$1,219.65.

The total tobacco revenue for the year in all Settlements was \$1,883,412.14 as against \$1,672,613.19 in the previous year.

Preventive
Service.

11. The Preventive Service did very good work.

12. The cases instituted by the Department during the year totalled 662, distributed as follows:—

Singapore 482, Penang 133, Malacca 44, Labuan 3.

13. The year's seizures comprised the following:—Opium 4,462.3.8 tahils, chandu 6,723.3.1 tahils, tobacco 6,118.8 lbs., liquor 716 gallons, bhang 11,513 tahils, and 72 needles for use in hypodermic injection.

14. Quite a number of the seizures consisted of chandu which had been smuggled in from China, where it is understood that, during 1921, the commodity could be got for \$6 a tahlil, or less than half the price ruling in the Straits, while at the time of writing there is said to be on the market a chandu of inferior quality which costs only \$4 per tahlil.

Licensed
premises and
stamp fees.

15. The licence fees collected during the year amounted to \$253,629.50 as compared with \$256,038.00 in 1920.

16. Mr. N. D. MUDIE acted as Superintendent from 23rd January, when I went on leave. Mr. B. S. WALTON was in charge of the Penang Branch throughout the year. In Malacca, Mr. G. R. SYKES succeeded Mr. G. C. DODD as Assistant Superintendent on the 14th June. Mr. F. STANLEY, who had been in charge of the Labuan Branch, was relieved by Mr. E. G. GOLDFINCH on 3rd January, and thereafter proceeded to Penang to act as Head of Preventive Service there. Mr. P. A. B. MCKERRON was Assistant Superintendent in Singapore throughout the year. The duties of Head of Preventive Service in Singapore were performed by Mr. J. BYRNE until Mr. W. H. TAYLOR's return from leave on 6th June.

Mr. J. W. HADDON, who had been acting as officer in charge of the Factory, went on leave on 12th February, and was succeeded by Mr. H. J. BAKER.

Legislation.

17. Resolutions of the Legislative Council under the Governor's Powers Delegation Ordinance, 1920 authorised the Colonial Secretary and the Administrative Heads of the other Settlements to deal with questions affecting the appointment of bonded and licensed warehouses, and cancellation of chandu licences: the Governor's powers in the matters of appointment of examination stations under the Chandu Revenue Ordinance, 1909 and of reduction of fees for licences chargeable under the Liquors Revenue Ordinance, 1909 were similarly delegated to the Superintendent in Singapore and to the Resident Councillor or Resident in the other Settlements. The Chandu Revenue Rules were amended by a resolution of the Legislative Council on 23rd May, fixing the retail price of chandu in Labuan as follows:—3-hoon packet—29 cents, 3-chi pot—\$2.90, 1-tahlil pot—\$9.50.

The Duties on Liquors and Tobacco were revised by Legislative Council on 8th August and the new tariffs came in force on the following day. Additional restriction on the export of opium was imposed by an order of the Governor in Council dated the 15th December. Export to destinations other than British Possessions or Protected States, Siam, and Indo-China had already been prohibited: it is now permitted even to the destinations specified only on production of a certificate from the Government of the importing country that import is approved by that Government and that the opium is required for legitimate purposes.

Appointment of the following Bonded warehouses was gazetted:—

201, Cantonment Road (Liquors) from 1st September.

28, Wallich Street (Tobacco) from 7th October.

11, Keppel Road (Tobacco) from 1st January, 1922.

18. The gross chandu receipts amounted to \$21,691,161.45 and the ^{Financial} net opium revenue was \$14,879,928.19, exceeding the revised estimate of \$14,000,000 by nearly a million dollars.

The liquor revenue for the year was \$3,229,461.56 against the revised estimate of \$2,939,800.

Tobacco revenue for the three Settlements of Singapore, Penang and Malacca totalled \$1,883,412.14 as compared with the revised estimate of \$1,512,000.

Labuan Tobacco Import Duty amounted to \$4,977.38 as against an estimate of \$4,000.

G. GORDON WILSON,
*Superintendent, Government Monopolies,
Straits Settlements.*

SINGAPORE, 14th April, 1922. [Conf. No. 134/22.]

ADMINISTRATION OF THE INCOME TAX ORDINANCE.

INCOME TAX OFFICE,
SINGAPORE, 23rd October, 1922.

SIR,—I have the honour to report upon the working of the Income Tax Department under the Income Tax Ordinance, 1921, for the financial year 1st April, 1921, to 31st March, 1922.

2. Statements attached, marked *A* and *B*, give in detail the results attained under the Ordinance for the period in question.

3. The most important changes introduced by the 1921 Ordinance were contained in sections 6 and 7. In previous years a deduction from income had been allowed in respect of "any income on which income tax has been paid or on which it is proved to the satisfaction of the Collector income tax will be paid in the United Kingdom or in any British Possession, Protectorate or Protected State at a rate not less than the rate specified in Schedule *A*". Section 6 amended this by adding the words "not arising in the Colony" after the words "any income", the chief effect being that local profits of businesses with Head Offices in the United Kingdom or other parts of the Empire became taxable in the Colony. Relief from double taxation in cases of this nature had already been provided for in section 27 of the United Kingdom Finance Act, 1920.

4. Section 7 of the 1921 Ordinance provided for the calculation of income of ship owners or ship charterers on the basis of a fixed percentage of gross local earnings, such percentage being not less than 5 and not more than 10. The fixed percentage for the year was actually 7½.

5. With the rates of Income Tax unchanged and the introduction of the important change in section 6, there is no doubt that under normal conditions collections would have largely exceeded those of any previous year. But the year 1920, on which the 1921 tax was mainly based, ended under a cloud, and the profits of the earlier months were in many cases converted into heavy losses before the year ended. The result was a decrease in total collections from \$5,945,222 to \$5,741,687.81. That this decrease was not more marked is due to the change in section 6 already referred to.

6. Refunds have accounted for \$112,171.39. The previous year's figure was \$49,964.22, and it is confidently stated in that year's report that "the amount of refunds will be very largely decreased in future years". The large amount now reported is due to many Home Refunds of 1920 tax on which income tax had been also paid in the United Kingdom (section 8 (*b*) of the 1920 Ordinance), and to a large number of Local Refunds of tax which had been over-assessed. The latter included a sum of \$24,565.55 refunded to the Kim Seng Land Co., Limited, as the result of the appeal referred to in the previous year's report.

7. The Clerical Staff of the Income Tax Offices has been definitely incorporated in the Clerical Service of the Government, and Salaries and Miscellaneous Expenditure are now borne on the Colonial Estimates.

8. On the 31st March, 1922, there remained arrears of tax uncollected to the amount of \$39,089.07 in respect of the year ended 31st March, 1921, and \$277,552.39 in respect of the year under review, a total of \$316,641.46. Of this \$175,675.28 has since been recovered. Owing to the continuing trade depression it has been difficult in many cases to collect arrears, and extreme measures have not been resorted to when prompt payment has been manifestly impossible. Penang had the gratifying experience of carrying forward no arrears whatever, a result which does credit to both taxpayers and Collectors.

9. The net collections for the year were as follows:—

| <i>Total Collections.</i> | <i>Refunds.</i> | <i>Net Collections.</i> |
|---------------------------|-----------------|-------------------------|
| \$ c. | \$ c. | \$ c. |
| 5,741,687 81 | 112,171 39 | 5,629,516 42 |

10. Comparative assessments for the years 1917 to 1921 are as follows, those for 1917 to 1919 inclusive being under War Tax Ordinances:—

| Description of Tax-payers. | 1917. | 1918. | 1919. | 1920. | 1921. |
|-------------------------------------|----------------|----------------|----------------|----------------|--------------|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| European, American and Eurasian ... | 804,007 14 | 863,781 36 | 1,002,021 80 | 1,269,335 45 | 1,274,543 79 |
| Chinese ... | 1,214,099 11 | 1,417,208 28 | 1,434,350 88 | 2,186,487 29 | 936,030 79 |
| Malay and Arab ... | 106,485 90 | 97,751 15 | 91,965 87 | 113,180 24 | 111,882 22 |
| Jew ... | 33,239 29 | 93,280 45 | 96,096 84 | 113,024 75 | 80,436 17 |
| Indian ... | 148,796 76 | 208,525 29 | 231,941 86 | 307,859 16 | 410,543 10 |
| Japanese ... | 6,294 83 | 14,236 45 | 15,922 02 | 18,444 71 | 16,307 50 |
| Others ... | 21,441 56 | 45,978 00 | 30,064 39 | 73,103 78 | 52,500 72 |
| | \$2,334,364 59 | \$2,740,760 98 | \$2,902,363 66 | \$4,081,435 38 | 2,882,244 29 |
| Add Registered Companies | \$1,197,374 29 | \$1,419,683 93 | \$1,826,083 60 | \$2,228,261 85 | 2,788,571 05 |
| | \$3,531,738 88 | \$4,160,444 91 | \$4,728,447 26 | \$6,309,697 23 | 5,670,815 34 |

The most noticeable features are the fall in tax derived from the Chinese community, and the increase in the cases of Indians and Registered Companies. The last-mentioned increase is due to the taxation for the first time of local profits of outside businesses, to which reference is made in paragraph 5. The increase in tax assessed on Indians is chiefly due to a change of system by which Indian money-lenders are now assessed separately as associations or individuals instead of assessment in a lump sum by arrangement. The most serious fall is in the case of the Chinese: hard hit by the slump in tin, rubber, piece-goods and rice, and especially by the wave of speculation which swept over the rubber market in 1920, this section of the community suffered severely, with the result that the large profits of previous years dwindled to comparatively small ones, and in innumerable cases degenerated into losses. So far as the Chinese are concerned, 1920 was the highest assessment on record, 1921 the lowest.

11. A comparison of the total assessments in the three Settlements for the past five years is given in the following table:—

| Settlement. | 1917. | 1918. | 1919. | 1920. | 1921. |
|---------------|----------------|----------------|----------------|----------------|--------------|
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Singapore ... | 2,650,698 63 | 3,209,662 26 | 3,825,497 17 | 5,082,722 69 | 4,470,537 41 |
| Penang ... | 553,881 78 | 643,379 12 | 688,200 01 | 891,674 63 | 979,586 01 |
| Malacca ... | 327,158 47 | 307,403 53 | 214,750 08 | 335,299 91 | 220,691 92 |
| Total ... | \$3,531,738 88 | \$4,160,444 91 | \$4,728,447 26 | \$6,309,697 23 | 5,670,815 34 |

These figures are not however quite fair to the Settlements of Penang and Malacca, inasmuch as Head Offices in Singapore in a number of cases pay tax to the Singapore Office on profits made in all three Settlements. In spite of this Penang has had a wonderfully successful Income Tax year.

12. Under the heading "Nil" in Statement *B* attached are shown those persons, associations and companies whose names were on the Department's Registers during the year, but whose incomes were found for various reasons to be not taxable. They include persons who left the Colony, associations and companies which had ceased business or suffered trading losses, and also persons whose income from companies and associations had already been taxed in the profits of such companies and associations.

13. There were numerous prosecutions for failure to render returns or to conform with the provisions of the Ordinance. Summonses were issued in a number of other cases, but withdrawn on satisfactory explanations or amends.

14. Two appeals to the Commissioners were lodged in Penang, but were withdrawn before hearing. There were no appeals in Malacca.

In Singapore two important appeals by Chitty firms were heard by the Commissioners and decided in favour of the Collector-General. The cases were then taken to the Supreme Court but referred back for further evidence on the facts and are still pending.

15. *Staff.*—There were numerous changes in the Staff. Mr. H. C. SELLS succeeded Mr. W. BARTLEY as Collector-General on the 1st April, 1921, and was in turn succeeded by Mr. G. C. VALPY on the 27th October. Mr. H. J. ELEY continued as Collector in Singapore until the 24th September, and was succeeded by Mr. A. L. BIRSE. The other post of Collector in Singapore was held by Mr. T. S. B. RHIND until the 3rd May, 1921. Mr. R. MOOR was appointed in his place with effect from the 21st October. Mr. H. T. DOWLE, Collector in Penang, went on furlough in November, 1921, and was followed by Mr. D. W. EVANS, Collector in Malacca, the Malacca post being filled by Mr. L. B. GIBSON from the 12th December, 1921.

Mr. WONG CHOON SUM was appointed to fill the post of Clerk-in-Charge of the Chinese Branch, Singapore, rendered vacant by the death of the former holder, Mr. CHAN SIEW KHEW, in March, 1921. The department has been strengthened by the inclusion of a new appointment, that of Japanese Translator.

I have, etc.,

G. C. VALPY.

Collector-General of Income Tax, S.S.

The Hon'ble

THE COLONIAL SECRETARY, .

SINGAPORE. [No. 8768/22.]

1922.

01

5 %

COME.

\$

1,954,565
490,945
108,340
79,830
73,611
74,729
30,454

3,812,474

19,150
583,958
8,953
10,000
172,209
9,850

804,120

65,975

4,682,569

946,475
232,325
12,292
...
83,982
...
...

1,275,074

26,340

115,280

...

...

8,962

4,788

155,370

59,656

1,490,100

222,243

72,434

19,190

...

...

...

713,867

10,359

24,657

...

...

97,865

CCA. COLONY.

c. \$ c.

500 00 5,642,879 56

738 43

359 22 112,171 39

3,385 54

COLONY.

| | | | |
|-----|-------|---------------------------------|-----------------|
| 4,5 | 972 | 4,089 | GRAND TOTAL ... |
| 4 | 418 | REGISTRED COMPANIES | ... |
| 1,4 | 285 | TOTAL ... | 1,662 |
| 2 | 2 | Others | 9 |
| 4 | 26 | Japanese | 31 |
| 57 | 311 | Indian | 8 |
| 1 | 23 | Jew | 23 |
| 6 | 1,189 | Malay and Arab, etc. | 96 |
| 214 | 1,189 | Chinese | 96 |
| 1 | 96 | European, American and Eurasian | 96 |
| 3,0 | 683 | TOTAL ... | 2,009 |
| 2 | 21 | Others | 1 |
| 22 | 16 | Japanese | 16 |
| 4 | 137 | Indian | 137 |
| 31 | 33 | Jew | 33 |
| 135 | 68 | Malay and Arab, etc. | 68 |
| 470 | 857 | Chinese | 857 |
| 897 | 897 | European, American and Eurasian | 897 |
| 326 | 326 | GRAND TOTAL ... | 326 |
| 67 | 15 | REGISTRED COMPANIES | 15 |
| 12 | 148 | TOTAL ... | 148 |

RECONCILIATION STATEMENT AS ON 31st MARCH, 1922.

| COLLECTION. | | | | | | APPROPRIATION. | | | | |
|--|--------------|--------------|--------------|------------|--------------|--|--------------|--------------|------------|--------------|
| | SINGAPORE. | | PENANG. | MALACCA. | COLONY. | | SINGAPORE. | PENANG. | MALACCA. | COLONY. |
| | \$ | c. | \$ | c. | \$ | c. | \$ | c. | \$ | c. |
| 1920 Balance <i>b/f</i> | | 26,677 04 | 3,998 80 | 371 68 | 31,047 42 | Payments to Treasury ... | 4,880,000 00 | 987,379 56 | 275,500 00 | 5,642,879 56 |
| Direct Collections 1921 .. | 3,605,334 40 | | 860,566 06 | 166,123 19 | 4,632,023 66 | Departmental expenses—) | | | | |
| Indirect Collections 1921 | 599,488 42 | | 135,871 16 | 47,547 18 | 773,906 76 | Arrears from 1920 ... | | 738 43 | | 738 43 |
| Other Collections — | | | | | | | | | | |
| (i) 1920 Suspense ac- count (Singapore) | 217,971 58 | | .. | | | | | | | |
| (ii) Deferred Assess- ments | 50,771 18 | | .. | | | | | | | |
| (iii) War Tax Arrears | 34 83 | 269,192 59 | | 63,034 28 | 384,429 97 | Refunds Made ... | 99,494 24 | 11,317 93 | 1,359 22 | 112,171 39 |
| (iv) Repayment of Advance | 10 00 | | | | | Costs of appeal advanced out of Collections ... | 3,385 54 | .. | | 3,385 54 |
| (v) Fines | 105 00 | | 2,203 10 | | | Balance at Bank (less uncashed cheques) ... | 9,848 90 | 3,426 40 | 285 01 | 13,550 31 |
| Bank Interest | | 1,036 23 | 223 20 | 68 00 | 1,327 43 | | | | | |
| TOTAL ... \$ | | 4,492,728 68 | 1,002,862 32 | 277,144 23 | 5,772,735 23 | TOTAL \$ | 4,492,728 68 | 1,002,862 32 | 277,144 23 | 5,772,735 23 |

G. C. VALPY,
Collector-General of Income Tax,
Straits Settlements.

ASSESSMENTS TO 1921 INCOME TAX.

| SETTLEMENT. | DESCRIPTION OF TAX-PAYER. | NIL. | 2 % | | 3 % | | 4 % | | 5 % | | 6 % | | TOTAL NOT INCLUDING PERSONS EXEMPT FROM TAXATION. | | AVERAGE RATE. | | | |
|--|---------------------------------|-------|-------------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|-------------|---|------------|---------------|--------------|--------------|-------|
| | | | No. of Tax-Payers | INCOME. TAX | No. of Tax-Payers | INCOME. TAX | No. of Tax-Payers | INCOME. TAX | No. of Tax-Payers | INCOME. TAX | No. of Tax-Payers | INCOME. TAX | NO | INCOME | | TAX | | |
| SINGAPORE including Labuan and Christmas Island. | INDIVIDUALS: | | | \$ | 8 c. | | \$ | 8 c. | | \$ | 8 c. | | \$ | 8 c. | | \$ | 8 c. | |
| | European, American and Eurasian | 601 | 321 | 1,400,200 | 28,004 00 | 351 | 1,848,814 | 55,464 42 | 244 | 1,448,596 | 57,943 84 | 378 | 2,954,565 | 147,728 25 | 546 | 7,841,190 | 458,471 40 | 1,840 |
| | Chinese | 424 | 94 | 441,517 | 8,830 34 | 57 | 331,513 | 9,943 39 | 27 | 197,360 | 7,894 40 | 57 | 420,945 | 24,547 25 | 186 | 3,697,406 | 221,944 39 | 421 |
| | Malay and Arab, etc. | 28 | 28 | 92,117 | 1,842 34 | 13 | 63,317 | 1,899 51 | 19 | 87,645 | 3,505 80 | 14 | 109,340 | 5,417 00 | 63 | 1,213,316 | 72,789 96 | 137 |
| | Jew | 27 | 4 | 21,031 | 420 62 | 5 | 25,985 | 1,799 55 | 4 | 29,196 | 1,167 84 | 9 | 79,830 | 3,991 50 | 25 | 706,603 | 42,856 18 | 47 |
| | Indian | 13 | 65 | 55,303 | 1,101 06 | 8 | 46,880 | 1,406 40 | 9 | 41,119 | 1,844 76 | 9 | 73,611 | 3,680 59 | 28 | 555,102 | 33,306 12 | 66 |
| | Japanese | 10 | 20 | 70,600 | 1,412 00 | 6 | 34,001 | 1,020 03 | 10 | 68,424 | 2,736 96 | 9 | 74,729 | 3,738 45 | 4 | 73,389 | 4,403 34 | 48 |
| | Others | 1 | 1 | ... | ... | 3 | 19,496 | 584 88 | 2 | 13,338 | 533 62 | 3 | 30,454 | 1,522 70 | 3 | 71,386 | 4,283 16 | 11 |
| | TOTAL | 1,156 | 480 | 2,683,768 | 41,675 36 | 442 | 2,370,006 | 71,100 18 | 314 | 1,885,678 | 75,427 12 | 479 | 3,812,474 | 190,623 70 | 855 | 13,958,392 | 837,503 55 | 2,570 |
| | ASSOCIATIONS: | | | | | | | | | | | | | | | | | |
| European, American and Eurasian | 67 | 1 | 5,690 | 113 80 | 2 | 12,353 | 370 59 | 2 | 19,150 | 957 50 | 69 | 4,021,905 | 241,308 30 | 65 | 4,058,968 | 242,750 19 | 598 | |
| Chinese | 596 | 191 | 971,515 | 19,430 30 | 68 | 439,677 | 13,190 31 | 33 | 253,525 | 10,141 00 | 57 | 583,598 | 29,197 50 | 184 | 5,222,420 | 313,345 20 | 533 | |
| Malay and Arab, etc. | 15 | 3 | 16,160 | 323 20 | 1 | 5,003 | 120 06 | 3 | 25,201 | 1,008 04 | 1 | 8,953 | 447 65 | 1 | 133,963 | 8,157 78 | 11 | |
| Jew | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Indian | 139 | 38 | 197,157 | 3,943 14 | 23 | 140,747 | 4,222 41 | 11 | 74,738 | 2,989 52 | 19 | 172,209 | 8,610 45 | 94 | 3,271,503 | 196,314 18 | 183 | |
| Japanese | 13 | 4 | 14,250 | 285 00 | 2 | 18,356 | 550 68 | 1 | 7,500 | 300 00 | 1 | 9,850 | 492 50 | 8 | 20,976 | 1,258 56 | 10 | |
| Others | 4 | 2 | 15,852 | 316 64 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | 684,845 | 39,890 70 | 10 | |
| TOTAL | 839 | 240 | 1,225,707 | 24,514 14 | 96 | 617,143 | 18,514 29 | 48 | 360,984 | 14,438 56 | 81 | 804,120 | 40,206 00 | 357 | 13,852,914 | 831,174 84 | 922 | |
| REGISTERED COMPANIES | 273 | 3 | 16,743 | 334 86 | ... | ... | ... | 2 | 14,378 | 575 12 | 8 | 65,975 | 3,298 75 | 302 | 38,685,849 | 2,321,150 94 | 315 | |
| GRAND TOTAL | 2,268 | 723 | 3,326,218 | 66,524 36 | 538 | 2,987,149 | 89,614 47 | 364 | 2,261,020 | 90,440 80 | 668 | 4,682,669 | 234,128 46 | 1,614 | 66,497,156 | 3,989,821 33 | 3,707 | |
| PENANG including Province Wellesley and the Dindings. | INDIVIDUALS: | | | | | | | | | | | | | | | | | |
| | European, American and Eurasian | 266 | 104 | 505,366 | 10,107 72 | 81 | 446,046 | 13,381 38 | 73 | 457,662 | 18,206 48 | 120 | 946,475 | 47,323 75 | 151 | 1,600,870 | 96,052 20 | 529 |
| | Chinese | 321 | 34 | 169,616 | 3,392 32 | 25 | 122,783 | 3,683 49 | 18 | 103,274 | 4,120 96 | 28 | 232,325 | 11,616 25 | 107 | 1,881,045 | 112,862 70 | 212 |
| | Malay and Arab, etc. | 25 | 1 | 5,000 | 100 00 | 4 | 2,648 | 730 44 | 3 | 16,324 | 662 96 | 2 | 12,292 | 614 60 | 17 | 157,965 | 9,477 90 | 17 |
| | Jew | 6 | 8 | 41,708 | 834 16 | 8 | 45,492 | 1,384 46 | 2 | 16,500 | 620 00 | 9 | 83,982 | 4,199 10 | 27 | 143,749 | 8,624 94 | 54 |
| | Indian | 6 | 1 | 5,969 | 111 98 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 5,599 | 111 98 | 2 |
| | Japanese | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Others | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | TOTAL | 650 | 148 | 727,309 | 14,546 18 | 118 | 638,659 | 19,159 77 | 96 | 592,760 | 23,710 40 | 159 | 1,275,074 | 63,753 70 | 292 | 3,763,629 | 227,017 74 | 813 |
| | ASSOCIATIONS: | | | | | | | | | | | | | | | | | |
| European, American and Eurasian | 23 | ... | ... | ... | 1 | 5,765 | 172 98 | 1 | 8,397 | 345 88 | 3 | 26,340 | 1,317 00 | 21 | 722,070 | 43,321 20 | 26 | |
| Chinese | 513 | 23 | 122,783 | 2,456 66 | 21 | 120,777 | 3,623 31 | 25 | 178,456 | 7,138 24 | 15 | 115,260 | 5,764 00 | 91 | 1,245,689 | 74,741 34 | 175 | |
| Malay and Arab, etc. | 8 | 1 | 5,722 | 114 44 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 12,146 | 728 88 | 4 | |
| Jew | 3 | 9 | 45,195 | 903 90 | 5 | 33,781 | 1,013 43 | 1 | 7,342 | 293 68 | ... | ... | ... | 150 | 1,709,461 | 102,567 66 | 166 | |
| Indian | 110 | 13 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 85,482 | 5,127 72 | 5 | |
| Japanese | 13 | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Others | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL | 675 | 33 | 173,700 | 3,474 00 | 27 | 160,324 | 4,809 72 | 29 | 208,682 | 8,347 28 | 20 | 155,370 | 7,769 50 | 267 | 3,774,830 | 226,469 80 | 376 | |
| REGISTERED COMPANIES | 120 | 1 | 5,485 | 109 70 | ... | ... | ... | 1 | 7,261 | 290 44 | 6 | 59,666 | 2,982 80 | 79 | 6,285,433 | 377,125 98 | 87 | |
| GRAND TOTAL | 1,495 | 182 | 806,414 | 18,128 88 | 145 | 798,383 | 23,983 49 | 126 | 805,703 | 32,348 12 | 185 | 1,490,100 | 74,506 00 | 638 | 13,843,812 | 830,633 62 | 1,276 | |
| MALACCA. | INDIVIDUALS: | | | | | | | | | | | | | | | | | |
| | European, American and Eurasian | 30 | 45 | 202,941 | 4,058 82 | 32 | 147,850 | 4,435 50 | 32 | 176,057 | 7,042 28 | 30 | 222,243 | 11,112 15 | 38 | 423,966 | 25,437 96 | 177 |
| | Chinese | 112 | 7 | 33,492 | 669 84 | 8 | 52,903 | 1,587 09 | 4 | 29,030 | 1,161 20 | 30 | 72,434 | 3,621 70 | 22 | 324,619 | 31,417 14 | 89 |
| | Malay and Arab, etc. | 15 | 2 | 10,209 | 204 18 | 3 | 18,452 | 553 56 | 3 | 19,190 | 959 50 | 3 | 19,190 | 959 50 | 1 | 27,951 | 1,677 05 | 9 |
| | Jew | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Indian | 6 | 1 | 5,103 | 102 06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Japanese | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Others | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | TOTAL | 163 | 55 | 251,745 | 5,034 90 | 43 | 219,205 | 6,576 15 | 36 | 205,087 | 8,203 48 | 41 | 313,867 | 15,693 35 | 61 | 975,536 | 58,532 16 | 236 |
| | ASSOCIATIONS: | | | | | | | | | | | | | | | | | |
| European, American and Eurasian | 6 | ... | ... | ... | 7 | 31,254 | 937 62 | 2 | 15,434 | 617 56 | 3 | 10,359 | 517 95 | 1 | 20,924 | 1,255 44 | 2 | |
| Chinese | 80 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 115,854 | 6,951 24 | 16 | |
| Malay and Arab, etc. | 2 | 4 | 4,447 | 88 94 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4,447 | 88 94 | 200 | |
| Jew | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Indian | 62 | 10 | 51,295 | 1,025 90 | 14 | 90,377 | 2,711 31 | 7 | 54,961 | 2,198 44 | 13 | 97,865 | 4,893 25 | 20 | 358,652 | 21,519 12 | 70 | |
| Japanese | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Others | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL | 148 | 12 | 55,742 | 1,114 84 | 21 | 121,631 | 3,646 93 | 9 | 70,395 | 2,816 80 | 17 | 132,881 | 6,644 05 | 33 | 495,430 | 29,725 80 | 92 | |
| REGISTERED COMPANIES | 15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | 1,370,261 | 82,215 66 | 23 | |
| GRAND TOTAL | 326 | 67 | 307,487 | 6,149 74 | 64 | 340,836 | 10,226 08 | 45 | 276,482 | 11,019 28 | 58 | 456,484 | 22,824 20 | 116 | 2,841,227 | 170,473 62 | 351 | |
| COLONY. | INDIVIDUALS: | | | | | | | | | | | | | | | | | |
| | European, American and Eurasian | 897 | 470 | 2,108,527 | 42,170 54 | 464 | 2,442,710 | 73,281 30 | 349 | 2,032,315 | 83,292 60 | 528 | 4,123,283 | 206,164 15 | 735 | 9,666,036 | 579,861 56 | 2,548 |
| | Chinese | 857 | 135 | 647,625 | 12,952 50 | 100 | 507,199 | 15,215 97 | 33 | 329,664 | 13,186 56 | 93 | 785,701 | 39,785 20 | 315 | 6,102,070 | 386,724 23 | 680 |
| | Malay and Arab, etc. | 68 | 31 | 107,326 | 2,146 52 | 29 | 106,117 | 3,183 51 | 22 | 103,969 | 4,158 76 | 19 | 139,822 | 6,991 10 | 71 | 1,309,232 | 83,933 92 | 163 |
| | Jew | 33 | 4 | 21,031 | 420 62 | 5 | 25,985 | 1,799 55 | 4 | 29,196 | 1,167 84 | 9 | 79,830 | 3,991 50 | 25 | 706,603 | 42,856 18 | 47 |
| | Indian | 137 | 22 | 102,114 | 2,042 28 | 16 | 92,362 | 2,770 86 | 16 | 56,619 | 2,264 76 | 16 | 157,593 | 7,871 65 | 55 | 636,851 | 41,931 06 | 121 |
| | Japanese | 16 | 21 | 76,199 | 1,525 98 | 5 | 34,001 | 1,020 03 | 10 | 68,424 | 2,736 96 | 9 | 74,729 | 3,738 45 | 4 | 73,389 | 4,403 34 | 49 |
| | Others | 1 | 1 | ... | ... | 3 | 19,496 | 584 88 | 2 | 13,338 | 533 62 | 3 | 30,454 | 1,522 70 | 3 | 71,386 | 4,283 16 | 11 |
| | TOTAL | 2,009 | 683 | 3,062,822 | 61,256 44 | 603 | 3,227,870 | 96,836 10 | 446 | 2,683,525 | 107,341 00 | 679 | 5,401,415 | 270,070 75 | 1,208 | 18,717,557 | 1,123,053 45 | 3,619 |
| | ASSOCIATIONS: | | | | | | | | | | | | | | | | | |
| European, American and Eurasian | 96 | 1 | 5,690 | 113 80 | 3 | 18 | | | | | | | | | | | | |

WE TAX.

| | | 6% | | TOTAL NOT INCLUDING PERSONS EXEMPT FROM TAXATION. | | | AVERAGE RATE. |
|------------|---------------------------|------------|--------------|--|------------|--------------|------------------|
| TAX. | NO. OF TAX- PAYERS. | INCOME. | TAX. | NO. | INCOME. | TAX. | |
| \$ c. | | \$ | \$ c. | | \$ | \$ c. | |
| 147,728 25 | 546 | 7,641,190 | 458,471 40 | 1,840 | 15,293,365 | 747,611 91 | 4 88 |
| 24,547 25 | 186 | 3,697,406 | 221,844 39 | 421 | 5,161,741 | 273,121 77 | 5 29 |
| 5,417 00 | 63 | 1,213,316 | 72,798 96 | 137 | 1,564,735 | 85,463 61 | 5 46 |
| 3,991 50 | 25 | 706,603 | 42,396 18 | 47 | 862,645 | 48,755 69 | 5 65 |
| 3,680 55 | 28 | 555,102 | 33,306 12 | 66 | 772,015 | 41,143 89 | 5 32 |
| 3,736 45 | 4 | 73,389 | 4,403 34 | 48 | 321,143 | 13,308 78 | 4 14 |
| 1,522 70 | 3 | 71,386 | 4,283 16 | 11 | 134,674 | 6,924 26 | 5 14 |
| 190,623 70 | 855 | 13,958,392 | 837,503 55 | 2,570 | 24,110,318 | 1,216,329 91 | 5 04 |
| 957 50 | 60 | 4,021,805 | 241,308 30 | 65 | 4,058,998 | 242,750 19 | 5 98 |
| 29,197 90 | 184 | 5,222,420 | 313,345 20 | 533 | 7,471,095 | 385,304 71 | 5 15 |
| 447 65 | 4 | 135,963 | 8,157 78 | 11 | 186,277 | 9,936 67 | 5 33 |
| 500 00 | 5 | 515,002 | 30,900 12 | 8 | 536,015 | 31,680 48 | 5 91 |
| 8,610 45 | 94 | 3,271,903 | 196,314 18 | 185 | 3,856,754 | 216,079 70 | 5 60 |
| 492 50 | 2 | 20,976 | 1,258 56 | 10 | 70,932 | 2,886 74 | 4 07 |
| ... | 8 | 664,845 | 39,890 70 | 10 | 680,777 | 40,209 34 | 5 90 |
| 40,206 00 | 357 | 13,852,914 | 831,174 84 | 822 | 16,860,848 | 928,847 83 | 5 50 |
| 3,298 75 | 302 | 38,685,849 | 2,321,150 94 | 315 | 38,782,945 | 2,325,359 67 | 5 99 |
| 234,128 45 | 1,514 | 66,497,155 | 3,989,829 33 | 3,707 | 79,754,111 | 4,470,537 41 | 5 60 |
| 47,323 75 | 151 | 1,600,870 | 96,052 20 | 529 | 3,956,439 | 185,171 53 | 4 68 |
| 11,616 25 | 107 | 1,881,045 | 112,862 70 | 212 | 2,509,043 | 135,685 72 | 5 40 |
| 614 60 | 7 | 157,965 | 9,477 90 | 17 | 215,929 | 11,575 90 | 5 36 |
| 4,199 10 | 27 | 143,749 | 8,624 94 | 54 | 330,421 | 15,642 66 | 4 73 |
| ... | ... | ... | ... | 1 | 5,599 | 111 98 | 2 00 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| 63,753 70 | 292 | 3,783,629 | 227,017 74 | 813 | 7,017,431 | 348,187 79 | 4 96 |
| 1,317 00 | 21 | 722,070 | 43,324 20 | 26 | 762,573 | 45,150 06 | 5 92 |
| 5,764 00 | 91 | 1,245,689 | 74,741 34 | 175 | 1,782,985 | 93,722 55 | 5 25 |
| ... | 1 | 12,148 | 728 88 | 4 | 32,357 | 1,422 80 | 4 39 |
| 448 10 | 150 | 1,709,461 | 102,567 66 | 166 | 1,804,741 | 105,226 77 | 5 83 |
| 239 40 | 4 | 85,462 | 5,127 72 | 5 | 90,250 | 5,367 12 | 5 94 |
| 7,768 50 | 267 | 3,774,830 | 226,489 80 | 376 | 4,472,906 | 250,889 30 | 5 60 |
| 2,982 80 | 79 | 6,285,433 | 377,125 98 | 87 | 6,357,835 | 380,508 92 | 5 98 |
| 74,505 00 | 638 | 13,843,892 | 830,633 52 | 1,276 | 17,848,172 | 979,586 01 | 5 48 |
| 11,112 15 | 38 | 423,966 | 25,437 96 | 177 | 1,173,057 | 52,086 71 | 4 44 |
| 3,621 70 | 22 | 523,619 | 31,417 14 | 49 | 711,478 | 38,456 97 | 5 40 |
| 959 50 | 1 | 27,951 | 1,677 05 | 9 | 75,802 | 3,394 30 | 4 48 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | 1 | 5,103 | 102 06 | 2 00 |
| ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... |
| 15,693 35 | 61 | 975,536 | 58,532 16 | 236 | 1,965,440 | 94,040 04 | 4 78 |
| 517 95 | 1 | 20,924 | 1,255 44 | 2 | 31,283 | 1,773 39 | 5 67 |
| 1,232 85 | 6 | 115,854 | 6,951 24 | 18 | 187,199 | 9,739 07 | 5 20 |
| ... | ... | ... | ... | 2 | 4,447 | 88 94 | 2 00 |
| 4,893 25 | 26 | 358,652 | 21,519 12 | 70 | 653,150 | 32,348 02 | 4 95 |

REVENUE AND EXPENDITURE OF THE COLONY.

AUDIT OFFICE,
SINGAPORE, 30th October, 1922.

SIR,—I have the honour to submit my report on the Revenue and Expenditure of the Colony for the year 1921.

REVENUE.

1. The total revenue for the year was \$39,545,735.30 which exceeded the Estimate by \$2,359,972.30.

The excesses over estimated amounts were distributed as follows:

| | \$ | c. |
|---|-----------|----|
| Port, Harbour, Wharf and Light dues ... | 321 | 98 |
| Fees of Court or Office, Payments for Specific Services and Reimbursements in aid ... | 123,521 | 35 |
| Rents on Government Property ... | 193,353 | 39 |
| Interest | 1,259,433 | 30 |
| Miscellaneous Receipts | 4,662,496 | 91 |
| | 6,239,126 | 93 |

The decrease over estimated amounts were distributed as follows:—

| | | |
|--|-------------|----|
| Licences, Excise and Internal Revenue not otherwise classified ... | \$3,643,106 | 20 |
| Posts and Telegraphs ... | 112,220 | 79 |
| Land sales | 123,827 | 64 |
| | 3,879,154 | 63 |
| Total Excess ... | 2,359,972 | 30 |

Taking the main heads individually the principal excesses or decreases of receipts as compared with estimated amounts are as follows:—

NOTE.—Amounts below \$10,000 are not reckoned hereunder.

(a) Licences, Excise and Internal Revenue not otherwise classified.

| Excesses.— | \$ | c. |
|---|-----------|----|
| Fines and Forfeitures: | | |
| District and Police Courts including Marine | 16,318 | 38 |
| Licences: | | |
| Income Tax | 969,060 | 04 |
| Liquor Revenue | 230,285 | 20 |
| Liquor Shops | 13,957 | 00 |
| Petroleum Duty | 37,099 | 85 |
| Tobacco Duties | 354,313 | 51 |
| Decreases.— | | |
| Opium Revenue | 4,763,462 | 08 |
| Pawnbrokers | 239,480 | 80 |
| Rubber Dealers | 15,961 | 00 |
| Stamp Duties | 246,497 | 92 |

**(b) Fees of Court or Office, Payments for Specific Services
and Reimbursements in Aid.**

| <i>Excesses.—</i> | \$ | c. |
|--|--------|----|
| Bankruptcy Estates | 12,178 | 78 |
| Contributions of Brunei Government to- wards salaries of Police, Labuan ... (a) | 20,045 | 90 |
| District and Police Courts including Marine | 48,376 | 02 |
| Governor and Suite, Part salaries of ... | 16,368 | 79 |
| Supreme Court and Sheriff | 51,173 | 42 |
| Widows' and Orphans' Pensions Contribu- tions | 33,048 | 68 |
| <i>Decreases.—</i> | | |
| Inspection of Animals | 17,197 | 75 |
| Malay College, Tanjong Malim, Part up- keep of | 33,000 | 00 |
| Savings Bank, For expenses of manage- ment | 15,000 | 00 |

(c) Posts and Telegraphs.

| | | |
|--|--------|----|
| <i>Excesses.—</i> | | |
| Commission on Money Order business ... | 11,615 | 86 |
| Postage Collections | 11,293 | 32 |
| <i>Decreases.—</i> | | |
| Postage Stamps | 67,037 | 10 |
| Profits on Money Order business ... | 45,000 | 00 |
| Telegrams | 21,759 | 49 |

(d) Rents on Government Property.

| | | |
|---|---------|----|
| <i>Excesses.—</i> | | |
| Government Buildings let for profit ... | 17,460 | 85 |
| Telok Ayer Reclamation Rents ... (a) | 270,000 | 00 |
| <i>Decreases.—</i> | | |
| Land Rents | 106,152 | 44 |

(e) Interest.

| | | |
|--|-----------|----|
| <i>Excesses.—</i> | | |
| Interest on Investments | 66,278 | 93 |
| Interest on Bank Accounts | 75,036 | 62 |
| Interest on Loans and Advances ... | 1,158,839 | 73 |
| <i>Decreases.—</i> | | |
| Interest on Opium Purchase money out- standing | 42,527 | 24 |

(f) Miscellaneous Receipts.

| | | |
|---|-----------|----|
| <i>Excesses.—</i> | | |
| Court deposits unclaimed | 22,700 | 84 |
| Excess Interest received from Harbour Board and Municipalities on account of loan moneys lent to them ... (a) | 171,311 | 57 |
| Overpayments recovered ... (a) | 4,411,752 | 60 |
| Sale of Colonial Steamer <i>Sea Mew</i> ... (a) | 42,500 | 00 |
| Miscellaneous | 18,788 | 64 |
| <i>Decreases.—</i> | | |
| Censoring Films | 11,663 | 50 |

(g) Land Sales.

| | | |
|---|---------|----|
| <i>Excesses.—</i> | | |
| Premia on Special Sales of Town Lands ... | 14,983 | 00 |
| <i>Decreases.—</i> | | |
| Premia on Grants | 138,810 | 64 |

(a) Unestimated.

EXPENDITURE.

2. The estimated expenditure was \$40,545,540 as against actual payments of \$35,430,898.75. There was therefore an unexpended balance of \$5,114,641.25 which is made up as follows:—

| | | \$ | c. |
|-------------------------------------|-----|------------------|-----------|
| Savings on estimated expenditure | ... | 11,003,171 | 96 |
| Excesses over estimated expenditure | ... | 5,888,530 | 71 |
| | | <u>5,114,641</u> | <u>25</u> |

The main heads of expenditure showing the savings or excesses on amounts estimated were as follows:—

NOTE.—Amounts below \$100,000 are not reckoned hereunder.

| Savings.— | | | | \$ | c. |
|-----------------------------|-----|-----|-----|-----------|----|
| Civil Service | ... | ... | ... | 258,061 | 51 |
| Marine | ... | ... | ... | 1,419,319 | 37 |
| Education | ... | ... | ... | 216,398 | 97 |
| Military Expenditure | ... | ... | ... | 1,436,304 | 18 |
| Post Office | ... | ... | ... | 778,851 | 76 |
| Public Works, Extraordinary | ... | ... | ... | 6,595,713 | 64 |
| Excesses.— | | | | | |
| Police | ... | ... | ... | 329,750 | 19 |
| Transport | ... | ... | ... | 220,885 | 57 |
| Miscellaneous Services | ... | ... | ... | 5,037,796 | 94 |

ASSETS & LIABILITIES.

3. The balance sheet as on 31st December, 1921, showed an excess of Assets over Liabilities of \$48,990,868.32.

The differences between the balances in the Main and Subsidiary Ledgers to which attention has been drawn in the last three reports still exist, the efforts which have been made to reconcile the differences having been so far only partially successful.

The figures are as follows:—

DIFFERENCE BETWEEN THE MAIN AND SUBSIDIARY LEDGER BALANCES AS
ON 31ST DECEMBER, 1921.

| Account. | | Main Ledger. | | Subsidiary Ledger. | | Difference. | | | |
|------------------------|-----|--------------|------------|--------------------|-----|-------------|----|---------|--------|
| | | \$ | c. | \$ | c. | \$ | c. | | |
| Imprests | ... | Dr. | 64,088 | 75 | Dr. | 51,704 | 80 | 12,383 | 95 |
| Cash in Transit | ... | Cr. | 10,382 | 34 | Dr. | 24,637 | 69 | 35,020 | 03 |
| Drafts and Remittances | | Cr. | 31,057 | 41 | Cr. | 30,722 | 21 | | 335 20 |
| Deposits | ... | Cr. | 15,279,798 | 58 | Cr. | 15,388,438 | 73 | 108,640 | 15 |
| Advances | ... | Dr. | 783,497 | 14 | Dr. | 778,255 | 94 | 5,241 | 20 |

SAVINGS BANK.

4. The deposits during the year amounted to \$1,557,231.03 and the withdrawals to \$1,593,502.70. The total amount (including interest) due to depositors was \$1,772,210.60 and the liabilities also show an amount of \$14,900 on account of Expenses of Management. The balance sheet as on 31st December, 1921, showed therefore an excess of Liabilities over Assets of \$175,439.46.

DEFALCATIONS.

5. Several defalcations committed during the year are briefly dealt with below:—

| | \$ | c. |
|--|-------|----|
| (1) J. DOMINIC, Bailiff, District Court, Penang ... | 84 | 75 |
| (2) KELLAH BIN HASSAN, Assistant Land Bailiff, District Office, Jasin, Malacca ... | 77 | 70 |
| (3) TAN YONG BENG, Chinese Court Interpreter, District Office, Alor Gajah, Malacca (of this sum \$633.05 was made good by him; \$288 was written off) ... | 921 | 05 |
| (4) KAN PINGO, Stamp Vendor, General Post Office, Singapore. Six hundred and forty- five dollars and eighty-two cents were made good by him ... | 1,089 | 86 |
| (5) KUM AH BAH, Clerk, Class II, General Post Office, Singapore. One hundred and seven dollars and forty-six cents were made good by him ... | 527 | 27 |

In all cases the defaulters were convicted of Criminal Breach of Trust.

| | | |
|--|-----|----|
| (6) ONG GUAN LEONG, Assistant Shroff, Stamp Office, Singapore (absconded) ... | 101 | 00 |
|--|-----|----|

With the exception of TAN YONG BENG, who did not find any security, the amounts were made good by the Public Officers' Guarantee Fund.

ARREARS OF REVENUE.

6. The Arrears of Revenue outstanding on 31st December, 1921, amounted to \$135,122.69, classified as under:—

| | \$ | c. |
|-----------------------------------|--------|----|
| Port, Harbour, etc. ... | 17 | 08 |
| Licences, etc. ... | 26,471 | 20 |
| Fees of Court or Office, etc. ... | 9,225 | 89 |
| Posts and Telegraphs ... | 760 | 77 |
| Rents on Government Property ... | 71,837 | 78 |
| Miscellaneous Receipts ... | 4 | 68 |
| Land Sales ... | 56 | 00 |
| Rural Board ... | 17,412 | 43 |
| Hospital Board ... | 7,558 | 97 |
| Education Board ... | 1,777 | 89 |

NOTE.—The amount on account of Hospital Board is incomplete, returns not being available for reasons of which you are already aware.

Revenue for 1918, 1919, 1920 and 1921 compared:—

| Head of Revenue. | | 1918. | 1919. | 1920. | 1921. |
|------------------------------|-----|------------|------------|------------|------------|
| | | \$ | \$ | \$ | \$ |
| 1. Port and Harbour Dues ... | ... | 1,692 | 1,506 | 1,610 | 1,822 |
| 2. Licences ... | ... | 18,902,861 | 22,302,119 | 34,211,116 | 29,105,293 |
| 3. Fees ... | ... | 668,292 | 736,701 | 880,845 | 931,096 |
| 4. Posts and Telegraphs ... | ... | 906,811 | 1,094,083 | 1,241,071 | 1,257,289 |
| 5. Rents ... | ... | 940,917 | 1,240,761 | 1,232,813 | 1,396,601 |
| 6. Interest ... | ... | 1,086,149 | 1,374,153 | 975,196 | 1,988,163 |
| 7. Miscellaneous ... | ... | 223,221 | 2,845,878 | 1,812,970 | 4,738,350 |
| 8. Land Sales ... | ... | 532,072 | 4,513,263 | 2,114,000 | 127,122 |
| Total ... | ... | 23,262,015 | 34,108,464 | 42,469,621 | 39,545,736 |

ACCOUNTS.

7. No change has been made in the system of accounts, which is that laid down in Chapter V of Colonial Regulations.

GENERAL.

8. A Branch Audit Office was opened in Labuan from the beginning of the year. The staff consists of one Class I and one Class II Clerks.

Mr. W. A. WHITE continued to act as Auditor-General in addition to his own duties as Director of External Audit, Straits Settlements and Federated Malay States, up to the 9th November, 1921, since which date I have acted as Auditor-General, Straits Settlements.

9. The usual returns of Revenue and Expenditure Queries are attached.

I have, etc.,

C. H. G. CLARKE,
Acting Auditor-General, S. S.

RETURN OF REVENUE QUERIES FOR THE YEAR 1921.

| DEPARTMENT. | Singapore. | Penang. | Malacca. | Labuan. |
|--|------------|---------|----------|---------|
| Colonial Secretary's Office (Petroleum Licences) ... | 1 | 4 | ... | 3 |
| Government Printing Office (including Store Account) ... | 1 | ... | ... | ... |
| Registry of Deeds ... | ... | 4 | ... | ... |
| Land Office, Rate and Tax Rolls ... | ... | ... | ... | ... |
| Do. Rent and Mukim Rolls ... | ... | ... | ... | ... |
| District Office, Balik Pulau ... | ... | ... | ... | ... |
| Do. Butterworth ... | ... | ... | ... | ... |
| Do. Bukit Mertajam ... | ... | ... | ... | ... |
| Do. Nibong Tebal ... | ... | ... | ... | ... |
| Do. Dindings ... | ... | ... | ... | ... |
| Do. Province Wellesley ... | ... | ... | ... | ... |
| Do. Alor Gajah ... | ... | ... | 14 | ... |
| Do. Jasin ... | ... | ... | 8 | ... |
| Do. Christmas Island ... | ... | ... | ... | ... |
| Treasury ... | ... | ... | ... | 15 |
| Stamp Office ... | ... | 18 | ... | 11 |
| Accountant-General ... | 2 | 2 | ... | ... |
| Marine (including Store Account) ... | 1 | 22 | 1 | 2 |
| Marine Surveys ... | ... | 4 | ... | ... |
| Registrar, Supreme Court, and Sheriff | 3. | ... | ... | ... |
| Stamp Account ... | ... | ... | ... | ... |
| Sheriff ... | ... | 10 | ... | ... |
| Bankruptcy Office ... | ... | ... | ... | ... |
| District & Police Courts ... | 6 | 77 | 9 | 1 |
| Land ... | ... | 513 | 4 | 46 |
| District Court ... | ... | 117 | ... | 4 |
| Coroner ... | ... | ... | ... | ... |
| Police (including Store Account) ... | ... | 153 | 19 | 9 |
| Prisons ... | 24 | 2 | ... | ... |
| Medical (including Store Account) ... | 57 | 6 | 8 | 3 |
| Medical School ... | 7 | ... | ... | ... |
| Government Analyst ... | ... | 3 | ... | ... |
| Government Veterinary Surgeon ... | 6 | 1 | ... | ... |
| Education and Reformatory ... | 1 | 39 | ... | 10 |
| Volunteer Store Account ... | 7 | 37 | 1 | ... |
| Post Office (including Store Account) | ... | 34 | 8 | ... |
| Telegraph do. ... | 3 | 10 | ... | ... |
| Botanical Gardens do. ... | 2 | 7 | ... | ... |
| "Agricultural Bulletin" ... | ... | ... | ... | ... |
| Raffles Library and Museum ... | ... | ... | ... | ... |
| Public Works and Survey Department (including Store Account) ... | ... | 33 | 1 | 27 |
| Protection of Estates Account ... | ... | ... | ... | ... |
| Public Officers' Guarantee Fund ... | 16 | ... | ... | ... |
| Rural Board ... | ... | 116 | ... | 1 |
| Tan Tock Seng's Hospital Account... | 2 | ... | ... | ... |
| Widows' and Orphans' Fund ... | ... | ... | ... | ... |
| Government House Domain Account | ... | ... | ... | ... |
| Fees under Petroleum Ordinance ... | ... | 1 | ... | ... |
| Births and Deaths ... | 4 | ... | ... | ... |
| Destitute Seamen's Relief Fund Account ... | ... | ... | ... | ... |
| <i>Carried forward</i> ... | 143 | 1,213 | 73 | 132 |

RETURN OF REVENUE QUERIES FOR THE YEAR 1921.—*Continued.*

| DEPARTMENT. | Singapore. | Penang. | Malacca. | Labuan. |
|---|------------|---------|----------|---------|
| <i>Brought forward</i> ... | 143 | 1,213 | 73 | 132 |
| Subordinate Officers' Loan Account ... | ... | 36 | ... | ... |
| Hospitals Board ... | ... | 111 | ... | ... |
| Forest Department ... | ... | 108 | 1 | ... |
| Telephone Exchange ... | ... | ... | ... | ... |
| Fees under the Native Passengers Lodging Houses and Registration of Societies ... | 1 | .. | ... | ... |
| Income Tax ... | 5 | ... | ... | ... |
| Petroleum Account ... | ... | 1 | ... | ... |
| Monopolies Account ... | ... | 30 | ... | ... |
| Savings Bank ... | ... | ... | ... | 2 |
| Registry, Bills of Sale ... | 4 | ... | ... | ... |
| Food Control Department ... | ... | ... | ... | 1 |
| TOTAL ... | 153 | 1,499 | 74 | 135 |

COMPARATIVE STATEMENT OF REVENUE QUERIES.

| | 1920. | 1921. | Increase. | Decrease. |
|------------------|-------|-------|-----------|-----------|
| Singapore ... | 62 | 153 | 91 | ... |
| Penang ... | 1,141 | 1,499 | 358 | ... |
| Malacca ... | 141 | 74 | ... | 67 |
| Labuan ... | 45 | 135 | 90 | ... |
| Total ... | 1,389 | 1,861 | 539 | 67 |
| | | | | 67 |
| Net Increase ... | | | | 472 |

STRAITS SETTLEMENTS.

STATEMENT OF QUERIES.

On account of the Treasury, for the year ended 31st December, 1921.

| DEPARTMENT. | Singapore. | Labuan. | Penang. | Malacca. |
|--|--------------|---------|--------------|----------|
| Private Secretary to His Excellency the Governor ... | 5 | ... | ... | ... |
| Colonial Secretary ... | <i>a</i> 9 | ... | ... | ... |
| Resident, Labuan ... | 4 | 30 | ... | ... |
| Govt. Printing Office ... | <i>b</i> 10 | ... | ... | ... |
| Land ... | 1 | 10 | ... | ... |
| District Office, Alor Gajah ... | <i>c</i> 1 | ... | ... | 15 |
| Do. Jasin ... | ... | ... | ... | 10 |
| Do. Bukit Mertajam ... | 1 | ... | ... | ... |
| Do. X'mas Island ... | 11 | ... | ... | ... |
| Do. Labuan ... | ... | 59 | ... | ... |
| Forests ... | ... | ... | 1 | 10 |
| Treasury ... | <i>d</i> 230 | 11 | <i>m</i> 155 | ... |
| Accountant's Branch ... | 234 | ... | ... | ... |
| Sub-Treasury, Balik Pulau ... | ... | ... | <i>n</i> 3 | ... |
| Do. Bukit Mertajam ... | ... | ... | <i>o</i> 10 | ... |
| Do. Butterworth ... | ... | ... | <i>p</i> 17 | ... |
| Do. Dindings ... | ... | ... | <i>q</i> 22 | ... |
| Do. Nibong Tebal ... | ... | ... | <i>r</i> 3 | ... |
| Do. Rural Board ... | ... | ... | 4 | ... |
| External Audit ... | ... | ... | 1 | ... |
| Marine ... | 9 | 50 | ... | 4 |
| Colonial Steamer <i>Sea Mew</i> ... | 3 | ... | ... | ... |
| Judge ... | 3 | ... | ... | ... |
| Registry, Supreme Court ... | 7 | ... | ... | ... |
| Attorney-General ... | <i>e</i> 4 | ... | ... | ... |
| District and Police Courts ... | ... | 2 | ... | 1 |
| District Court (Civil) ... | ... | 3 | ... | ... |
| Police ... | <i>f</i> 34 | 120 | 12 | 13 |
| Prisons ... | 9 | 23 | 1 | ... |
| Medical ... | <i>g</i> 18 | 17 | ... | ... |
| Govt. Veterinary Surgeon ... | 5 | ... | ... | ... |
| Do. Penang ... | <i>h</i> 2 | ... | ... | ... |
| Bankruptcy ... | 1 | ... | 1 | ... |
| Education ... | <i>i</i> 10 | 21 | ... | ... |
| Do. Malacca ... | <i>j</i> 1 | ... | ... | ... |
| Ecclesiastical ... | 1 | ... | ... | ... |
| Volunteers ... | 7 | ... | ... | ... |
| Postal ... | <i>k</i> 5 | 27 | 4 | 6 |
| Botanical Gardens ... | 24 | ... | ... | ... |
| Public Works Department ... | 25 | 23 | 3 | 17 |
| Survey Department ... | ... | ... | ... | 2 |
| Public Works Department, Penang ... | <i>l</i> 1 | ... | ... | ... |
| Rural Board ... | 15 | 22 | 18 | 7 |
| Hospital Board ... | 54 | ... | 3 | 7 |
| Education Board ... | 27 | ... | 2 | 2 |
| Govt. Monopolies ... | ... | 26 | ... | ... |
| Census ... | 4 | ... | ... | ... |
| Govt. Analyst ... | ... | ... | 1 | ... |
| TOTAL ... | 784 | 444 | 261 | 94 |

(*a*) 2 of 1920. (*b*) 3 of 1920. (*c*) 1 of 1920. (*d*) 1 of 1920. (*e*) 1 of 1920. (*f*) 3 of 1920.
 (*g*) 6 of 1920. (*h*) 2 of 1920. (*i*) 2 of 1920. (*j*) 1 of 1920. (*k*) 2 of 1920. (*l*) 1 of 1920.
 (*m*) 26 of 1920. (*n*) 1 of 1920. (*o*) 8 of 1920. (*p*) 10 of 1920. (*q*) 13 of 1920. (*r*) 1 of 1920.

STRAITS SETTLEMENTS.

TREASURY QUERIES, 1921.

| Nature of Queries raised. | Singapore. | Labuan. | Penang. | Malacca. | Total. |
|--|------------|---------|---------|----------|--------|
| Errors in :— | | | | | |
| Casting and Computation ... | 39 | 5 | 13 | 18 | 75 |
| Classification ... | 118 | 7 | 81 | ... | 206 |
| Rates in excess of contracts | 4 | ... | ... | 8 | 12 |
| Regulations ... | 134 | 8 | 44 | 14 | 200 |
| Fair and Reasonable ... | ... | ... | ... | ... | ... |
| Posting ... | 196 | 2 | 3 | ... | 201 |
| Insufficient authority ... | 13 | 12 | 3 | 13 | 41 |
| Certificates ... | 18 | 365 | 20 | 9 | 412 |
| Particulars ... | 19 | 17 | 37 | 6 | 79 |
| Audit Office Instructions ... | 138 | 28 | 60 | 4 | 230 |
| Requiring documents, information, etc. ... | 100 | ... | ... | 22 | 122 |
| Excess of Estimates ... | 5 | ... | ... | ... | 5 |
| Total ... | 784 | 444 | 261 | 94 | 1,583 |

COMPARATIVE STATEMENT OF TREASURY QUERIES.

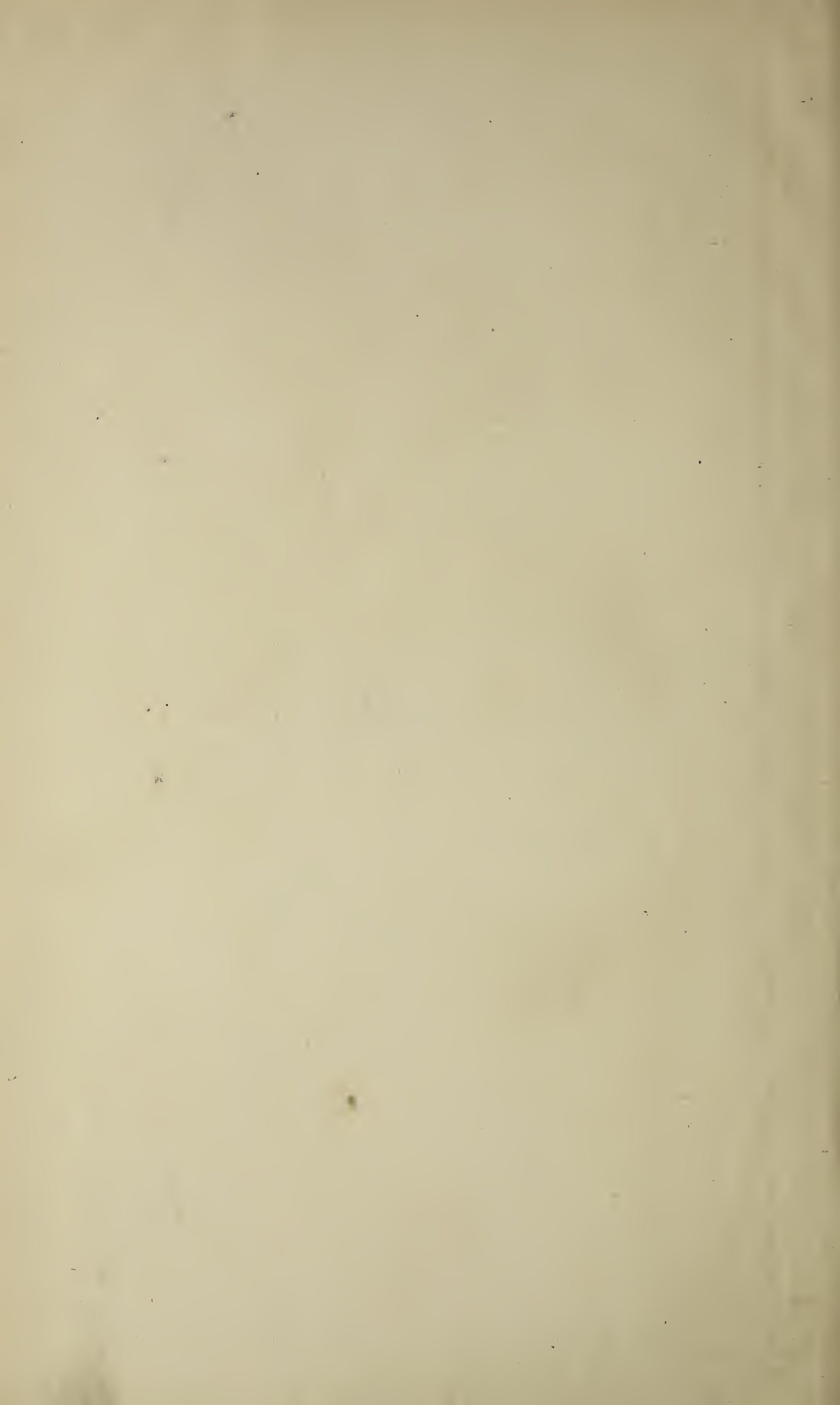
| | 1920. | 1921. | Increase. | Decrease. |
|---------------|-------|-------|-----------|-----------|
| Singapore ... | 467 | 784 | 317 | ... |
| Labuan ... | 31 | 444 | 413 | ... |
| Penang ... | 642 | 261 | ... | 381 |
| Malacca ... | 192 | 94 | ... | 98 |
| Total ... | 1,332 | 1,583 | 730 | 479 |

479

Net Increase ... 251

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